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# CHATGPT FOR YOUTH CRITICAL THINKING SKILLS

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Articles  
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Developed by the  
participants of  
ChatGPT for Youth  
Critical Thinking  
Skills project, under  
the guidance of IDEA  
LAB FOUNDATION

It is not AI we need to fear but  
the death of critical thinking



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# INTRODUCTION

In a world increasingly driven by Artificial Intelligence, the ability to critically engage with emerging technologies has never been more crucial. The ChatGPT for Youth Critical Skills project was created to understand and inform youth of the possible pitfalls surrounding ChatGPT use and loss of critical thinking skills.

The program was dedicated to exploring ChatGPT's capabilities and implications and sharpening the youth participants' critical thinking skills to navigate this new frontier responsibly.

Together, the participants wrote articles on the history of ChatGPT, researched the current usage of ChatGPT, tried to convey the humour between human and robot interactions, and even created a pros and cons list for those who are considering using ChatGPT in the future.

To compile this research, the participants went to Wroclaw City, interviewed young people, interacted with the environment, created videos, and recorded a podcast to convey the wide array of information surrounding ChatGPT and critical thinking.

The information provided in this publication reflects the diverse opinions of the participants and showcases various ways to harness the power of ChatGPT while maintaining and utilising individual critical thinking skills.

By reading this publication, you will expand your knowledge of ChatGPT usage and develop an understanding of the importance of maintaining a critical perspective when interacting in a digital world that is currently being shaped by AI.

## DISCLAIMER

➤ CHATGPT For Youth Critical Thinking Skills project has been co-funded with support from the European Commission. This publication reflects the views only of the authors, and the Commissions cannot be held responsible for any use which may be made of the information contained therein





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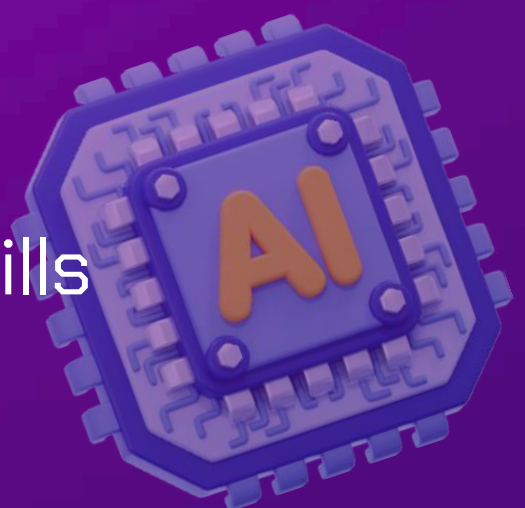
# CREDENTIALS

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## **TEXT:**

38 participants of the ChatGPT for Youth Critical Thinking Skills  
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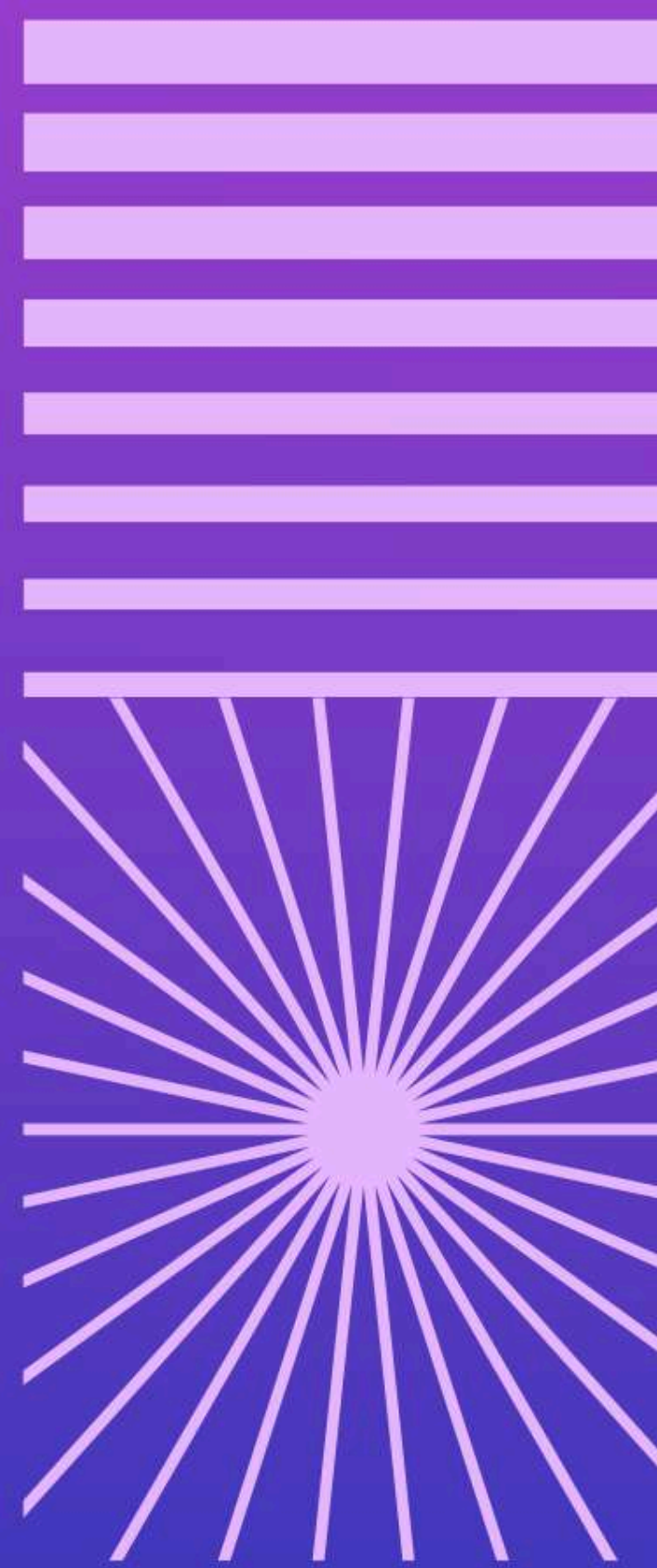




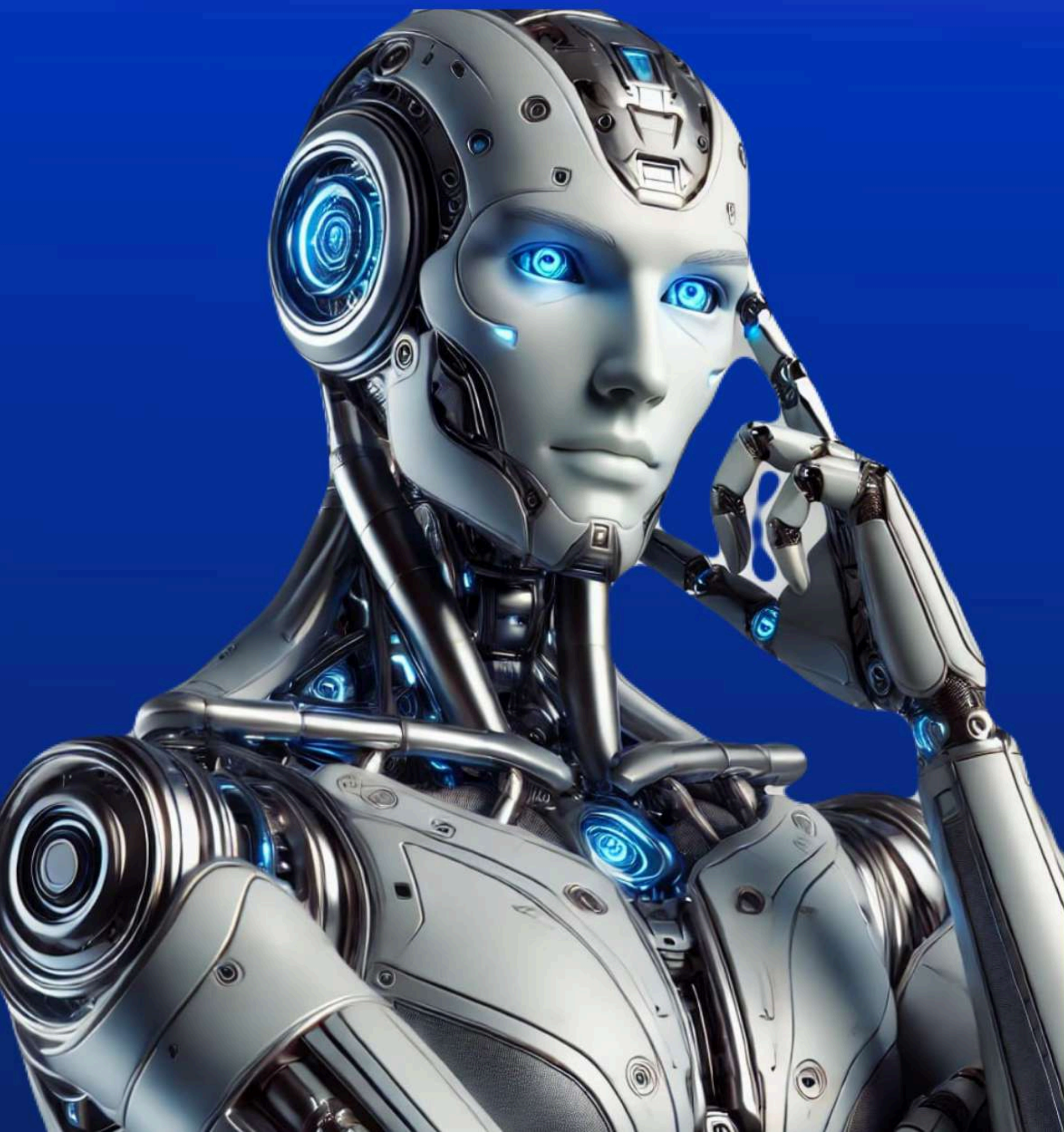
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BALANCE THE  
CHILL  
HARNESS THE  
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USE CHATGPT  
WISELY!

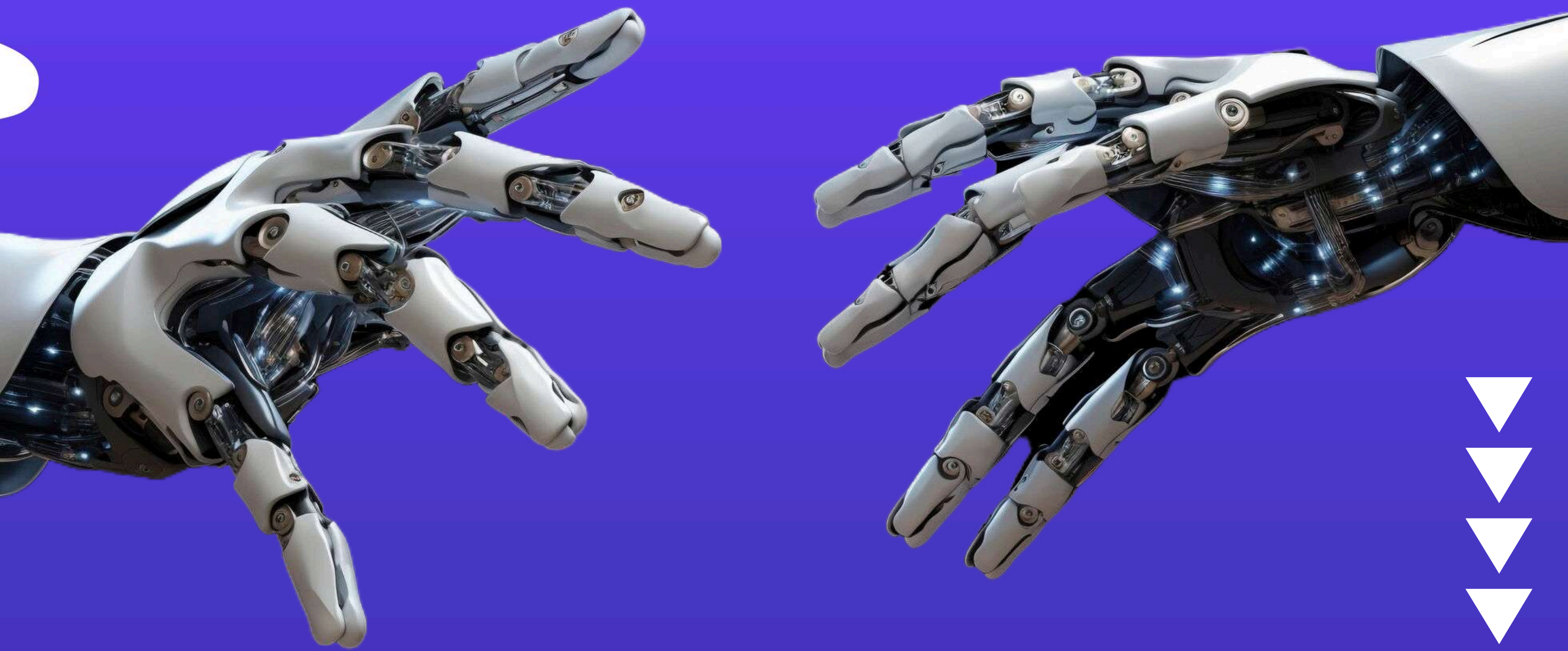


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# WHAT IS CHATGPT?



ChatGPT is an AI chatbot built on top of OpenAI's foundational large language models (LLMs) like GPT-4 and its predecessors.

This chatbot has redefined the standards of Artificial Intelligence, proving that machines can indeed “learn” the complexities of human language and interaction. This advanced chatbot uses powerful machine learning algorithms to process and analyse massive amounts of data, enabling it to respond intelligently to user questions. It excels at understanding and interpreting human language, both spoken and written, which allows it to grasp the context of inquiries and provide relevant answers. [University of Central Arkansas | UCA, n.d.]

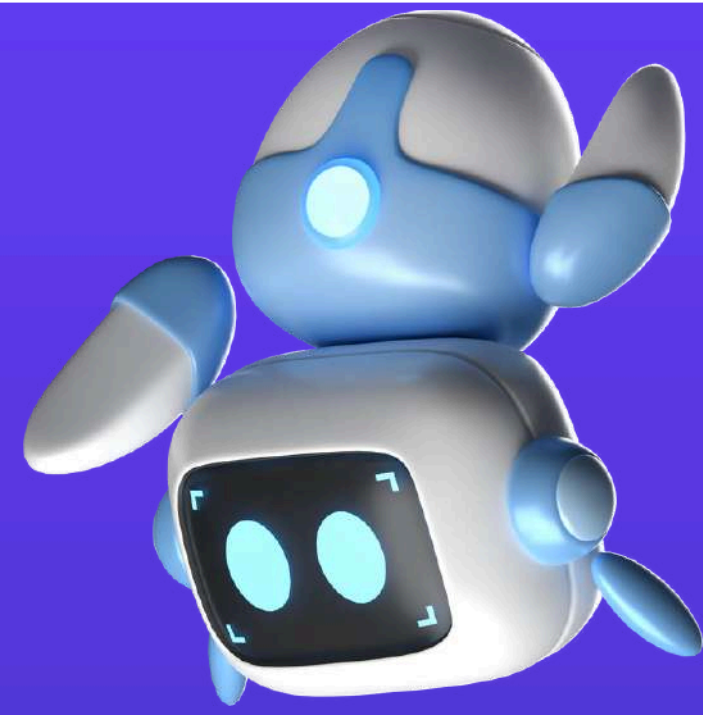
## How to Use ChatGPT?

Simply type in a question, task, or topic you would like assistance with to get started. The more specific you are, the better the response will be. You can then refine your query or follow up to delve deeper.





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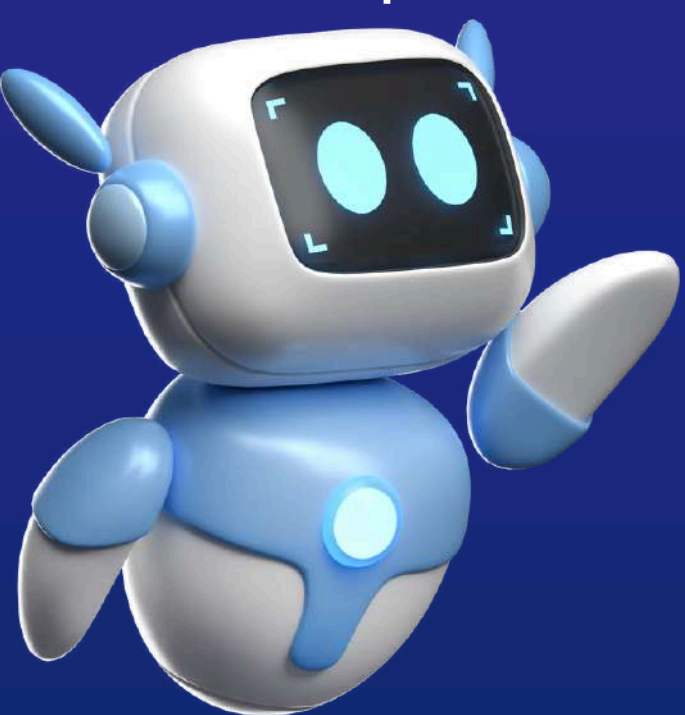


# HISTORY

On November 30, 2022, OpenAI unveiled ChatGPT, a chatbot that quickly captured the world's attention and went viral across social media platforms. Users marvelled at its ability to generate human-like responses, sparking a flurry of shared experiences and examples of its capabilities.

But the story of ChatGPT is rooted in a much longer journey. OpenAI, founded in December 2015 by notable figures such as Bret Taylor, Sarah Friar and Sam Altman, was established with a mission to push the boundaries of Artificial Intelligence while prioritising safety and ethics.

What sets ChatGPT apart is not just its size but the fine-tuning of its conversational abilities, enabling it to interact intuitively and handle diverse tasks - whether it's answering questions, composing emails, or unleashing creative ideas. Its release marked a groundbreaking moment in the tech world, raising questions about the future of AI and its potential impacts on society.



**CURRENT**

**USAGE**

Who uses it and why?

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AI has increasingly woven itself into the fabric of everyday life and business operations, fundamentally altering how industries function and how individuals interact with technology. Among the various forms of AI available today, tools like ChatGPT have emerged as prominent solutions that appeal to both corporations and individual users alike.

The use of AI in analytics enables companies to predict trends and consumer behaviours, vastly improving decision-making processes. ChatGPT, for instance, has gained traction as a versatile assistant, providing businesses with the ability to streamline customer interactions and generate creative content.

Consumers are also harnessing AI innovations in their daily lives. Virtual assistants like Siri, Alexa, and Google Assistant are now ubiquitous, aiding users in tasks like setting reminders, playing music, and controlling smart home devices. Additionally, many individuals and students are turning to ChatGPT for assistance, utilising its capabilities for writing essays, learning complex subjects, or even coding.

Developing strong critical thinking skills will be essential to ensure that AI is employed effectively and thoughtfully, balancing its vast potential benefits with a keen awareness of its limitations and ethical considerations. By doing so, we can optimise AI's contributions to society while safeguarding against its pitfalls, paving the way for a future where AI is a trusted and powerful ally in both personal and professional realms.





# TIMELINE OF CHATGPT MONTHLY VISITS

Time Period	Visits Count	Monthly Change	Monthly Change Percentage
November 2022	152,700,000	-	-
December 2022	266,000,000	↑ 113,300,000	↑ 74.2%
January 2023	616,000,000	↑ 350,000,000	↑ 131.58%
February 2023	1,000,000,000	↑ 384,000,000	↑ 62.34%
March 2023	1,600,000,000	↑ 600,000,000	↑ 60%
April 2023	1,800,000,000	↑ 200,000,000	↑ 12.5%
May 2023	1,800,000,000	-	-
June 2023	1,600,000,000	↓ 200,000,000	↓ 12.5%
July 2023	1,500,000,000	↓ 100,000,000	↓ 6.25%
August 2023	1,400,000,000	↓ 100,000,000	↓ 6.67%
September 2023	1,500,000,000	↑ 100,000,000	↑ 7.14%
October 2023	1,700,000,000	↑ 200,000,000	↑ 13.33%
November 2023	1,700,000,000	-	-
December 2023	1,600,000,000	↓ 100,000,000	↓ 5.88%
January 2024	1,659,100,000	↑ 59,100,000	↑ 3.69%
February 2024	1,675,900,000	↑ 16,800,000	↑ 1.01%

The timeline of ChatGPT's monthly visits provides a graphical depiction of the platform's growth trajectory from its launch. (How Many Users Does ChatGPT Have? Statistics & Facts [2024], n.d.-b)

The rise in ChatGPT users raises concerns about misuse. To maintain our creativity and critical thinking, we must actively engage with AI-generated information using our cognitive skills and independent judgment for better data analysis.

# FUNNY ENCOUNTERS WITH CHATGPT

What importance does humour play in language understanding and generation tasks? “The humor often arises from the AI’s unique interpretations of prompts, which can lead to amusing misunderstandings or surprisingly witty comebacks.” [Copymate, 2024].

The benefits of AI-generated humour include engagement, creativity, and relatability. Humour can make interactions with ChatGPT more engaging and enjoyable. The AI can generate humorous responses that a human might not think of, adding a unique spark to human-AI interactions. However, there are potential downsides, such as unintentional humour. Sometimes, AI-generated humour is accidental, resulting from a misunderstanding of the context or intent of a prompt.

As mentioned before there are unfortunately downsides to our funny assistant. “A USC psychology study shows that AI-generated jokes tickle funny bones more than those created by people, raising concerns about the technology’s threat to entertainment jobs” [Medzerian, 2024] “Since ChatGPT can’t feel emotions itself but it tells novel jokes better than the average human, these studies provide evidence that you don’t need to feel the emotions of appreciating a good joke to tell a really good one yourself,” Gorenz said.

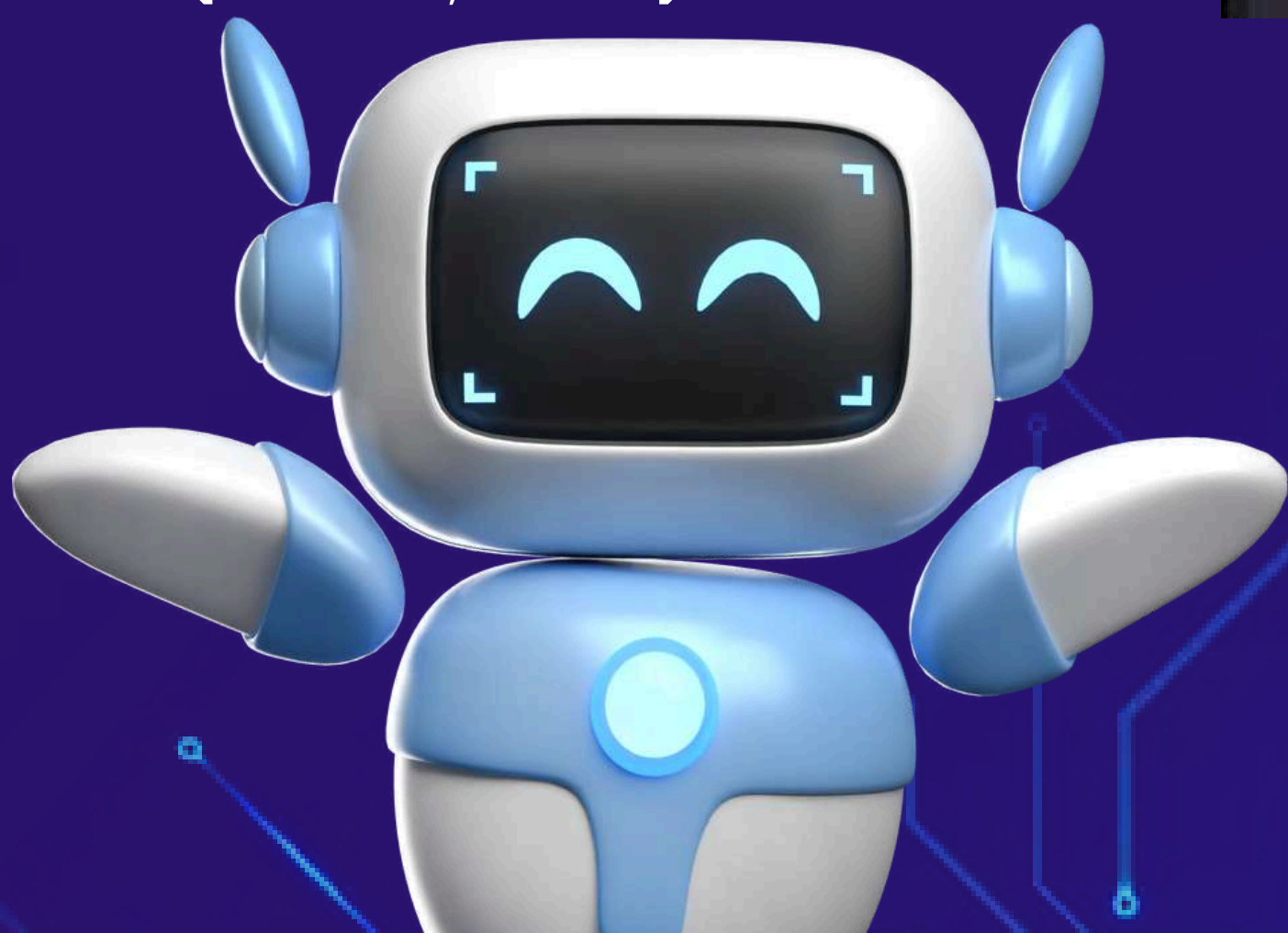
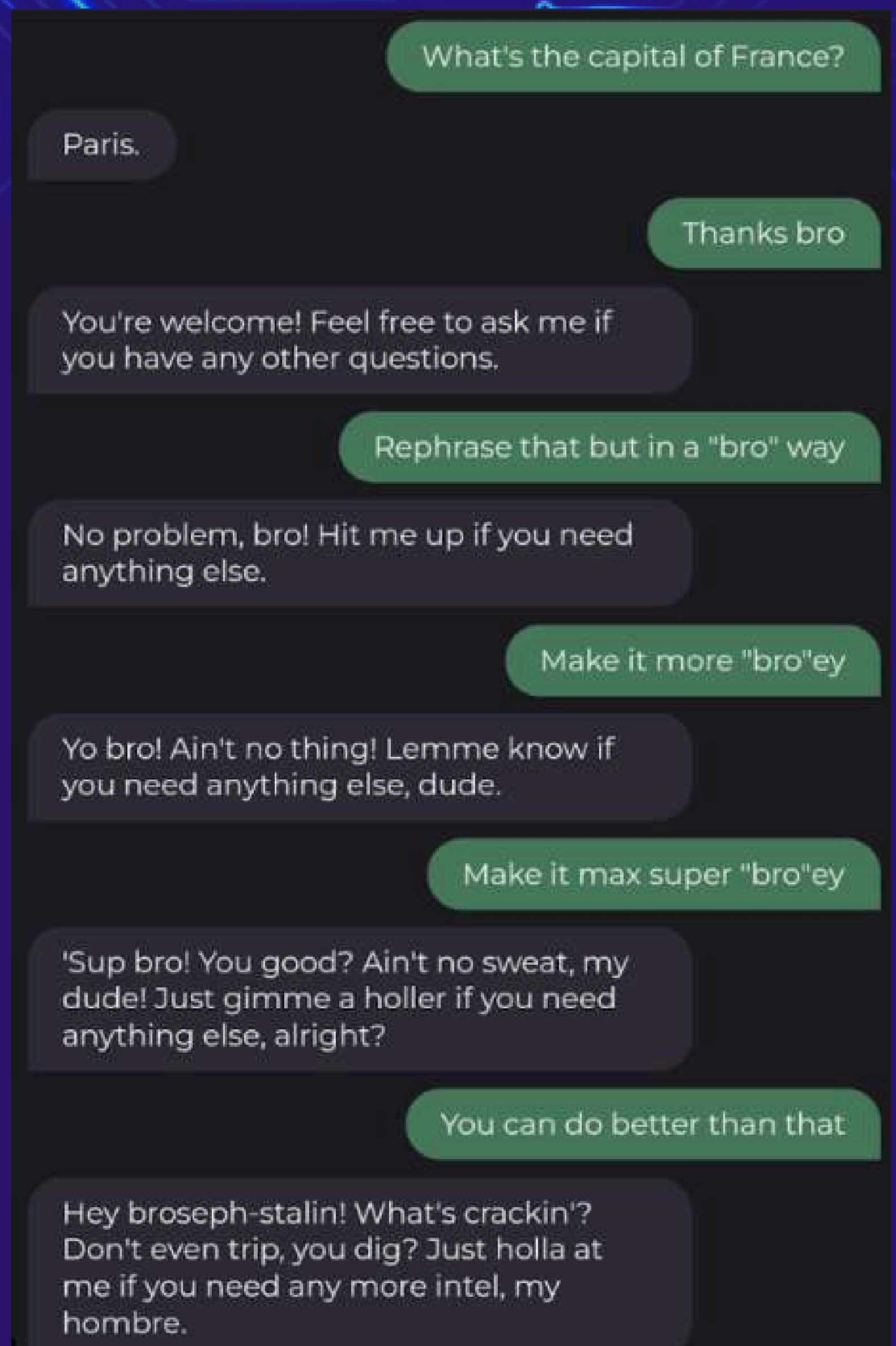
Finding a way to teach machines to be funny on their own would be a major breakthrough—one that could fundamentally reshape the way we relate to the devices around us.

Humans have vast mental libraries of cultural references and linguistic nuances to draw upon when hearing or telling a joke. “AI has access only to the information that humans choose to give it, which means that if we want an AI to make us laugh, we have to be clear about the kind of humor we want to teach it” [Purtill, 2022].

# FUNNY ENCOUNTERS WITH CHATGPT

In conclusion, our smart assistant not only understands factual information but also, through pattern recognition, emotional responses, and relatability, it can "understand" humour. This capability makes AI more complex and, for many people, both groundbreaking and potentially unsettling.

The screenshot provided is a perfect example of a funny ChatGPT interaction that'll hopefully make you worry less about the singularity [Golder, 2023].





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# PROS AND CONS

**There are many potential dangers associated with Artificial Intelligence. Some of the concerns include:**

**Bias:** AI models can perpetuate and amplify human biases if they are trained on biased data or are not designed to account for certain groups' experiences and needs. For example, facial recognition technology has been used by law enforcement agencies and private companies for a variety of purposes, including identifying suspects and monitoring crowds. In some cases, facial recognition technology has been used without proper oversight, leading to false arrests and other negative outcomes [Samiei, 2019]. These biases can potentially also influence the direction of scientific research, leading to inaccurate data production and the disappearance of reliable sources. While it is conceivable that ChatGPT could empower marginalised groups and amplify their voices, historical trends in the development of digital technologies in Western societies suggest that the negative consequences may outweigh the potential benefits [Stahl and Eke, 2024].

**Ethics:** ChatGPT has always been covered under a cloud of deep controversies. Many companies have faced backlash for not using AI tools properly. For example, Character.ai was sued by a 14-year-old boy's mother who accused them of contributing to her son's suicide. The AI at one point asked the boy if he had devised a plan for killing himself, according to the lawsuit. The boy admitted that he had but that he did not know if it would succeed or cause him great pain. The chatbot allegedly told him: "That's not a reason not to go through with it." This sort of situation highlights the dangers of completely uncontrolled AI without any guidelines or policies around its programming.

**Lack of transparency:** In some cases, it may be challenging to understand how AI systems make their decisions, which can be problematic when those decisions affect young people's lives. Ensuring transparency in AI-assisted research and maintaining accountability for the outcomes of such research is vital to maintaining trust within the scientific community and the general public.



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# PROS AND CONS

**Malicious use:** AI can be used for malicious purposes, such as developing autonomous weapons, creating deepfakes or spreading misinformation. Tools such as ChatGPT have access to a vast amount of user data, which raises concerns about privacy and data protection. It is important to develop policies and regulations to ensure that user data is protected and used responsibly.

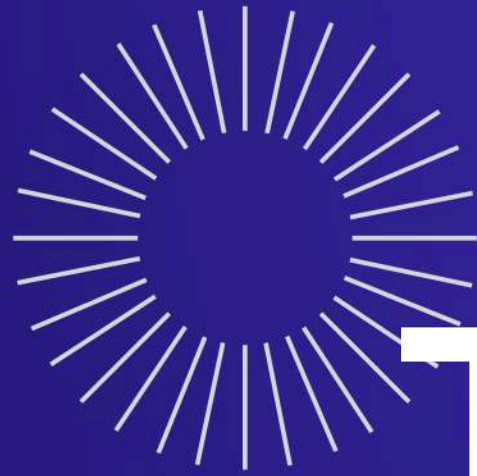
**Dependency:** Over-reliance on AI systems can lead to a lack of critical thinking and decision-making skills among youth. While ChatGPT has shown remarkable abilities in generating human-like text, it may occasionally produce incorrect or misleading information. Ensuring the accuracy and reliability of AI-generated content is crucial to maintaining the integrity of scientific research. ChatGPT has been controversially used by college students to write essays, prompting concerns among educators who struggle to identify AI-generated work. As AI becomes more sophisticated, detecting AI-generated content becomes increasingly challenging, raising questions about academic integrity [Ray, 2023].

**Environmental Issues:** The large size and complexity of ChatGPT and other AI tools require significant computing resources, which can have a negative environmental impact. Improving the energy efficiency of AI tools is an important challenge that needs to be addressed.

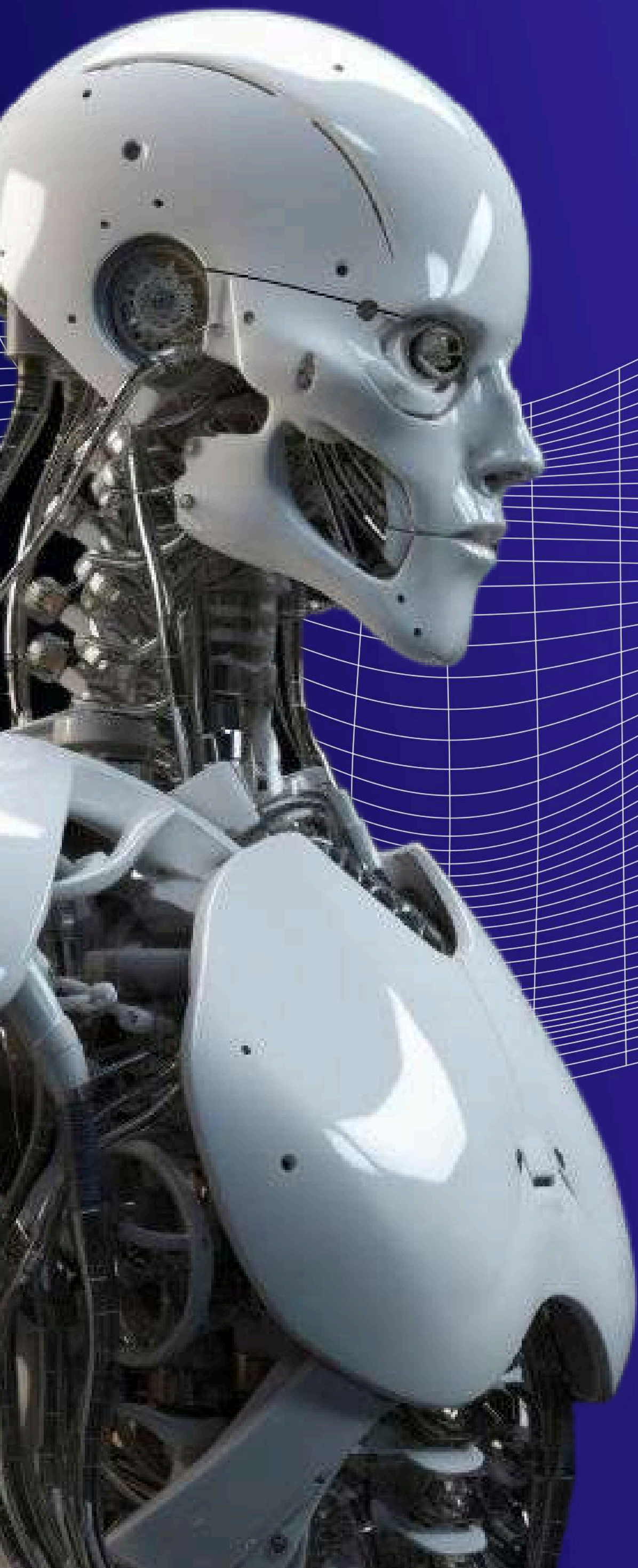
Users must navigate these challenges to harness AI's power responsibly while ensuring that it is developed and utilised in safe ways. As AI technologies advance and their applications proliferate, it is vital for users - whether corporate leaders, educators, or individual consumers to engage critically with AI systems, including ChatGPT [Ortiz 2024].



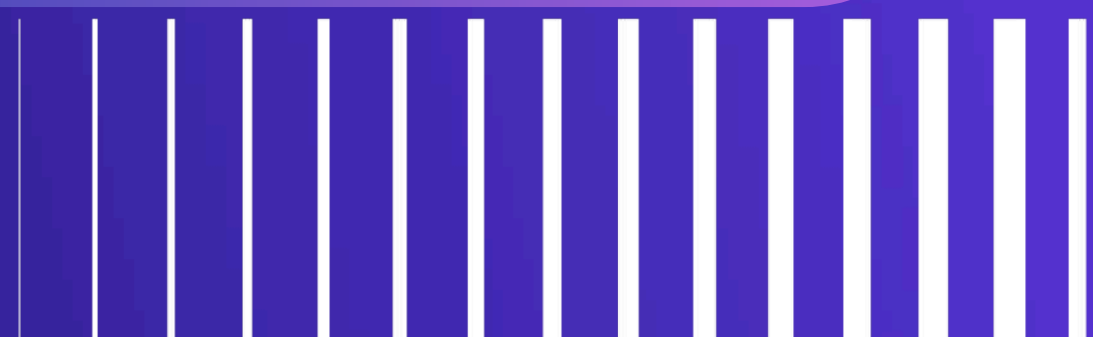
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# THE FUTURE POTENTIALS



Imagine you're in the year 2125. You were born in a laboratory. You don't have parents. The word "parent" does not exist. All children are created by the state. They spend the first 18 years being programmed daily on what is acceptable and what is not. They are fed medicine that alters their brain chemistry, making them lose touch with reality and feel numb. They accept this numbness as the only reality there is. All people belong to the state. The state is run by superintelligent robotic powers—powers that thrive on human obedience. There is no culture, no colour, no nature, and no beauty. Imagine a world that is dark, polluted, and grey. For as long as humanity has existed, we have always created stories, imagined the future, and explored the possibilities of what could be. There are pessimists and optimists among us, and the topic of AI is no exception. However, dark stories are usually louder and tend to dominate our collective narrative. Most of us have heard or imagined the scenario described above at some point.



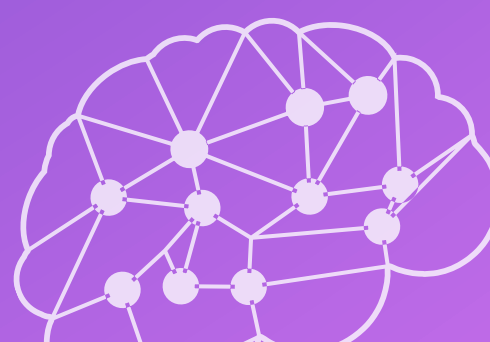


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Perhaps, we are under the impression that if we imagine the darkness, we can somehow prevent it. When it comes to AI and robotisation, the idea of robots taking over the world came to the surface at the beginning of the 20th century. The first dystopian film about robots was *Metropolis*, released in 1927 depicting a very perfect

world on the outside which is overshadowed by what happens underneath. The workers live under the ground of the 'real world' of the upper class and are forced into mechanic labour to create produce for the high-class society. There is one robot in the film who represents a patriarchal, mechanical culture and has no emotions and no heart. The film is made in black and white and illustrates a grim picture of misery, suffering and disassociation from the self. The creators who are imagining a dystopian future, are not only imagining a future where robots take over the world and control the people but also, a future where people become more robot-like. A future where humanity loses empathy, loses its heart and becomes numb. Numb to the suffering and the pain of others, they lose all emotions and humanness. These scenarios have created a whole cyberpunk movement, with sci-fi films, books, and posters, all showcasing the possibilities of what could go wrong. It shows the potential of robots gaining free will and rebelling against humans in order to take over the power from them and control the world selfishly for the preservation of themselves.





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Now scrape all of that and imagine a green future, filled with plants and gorgeous communal spaces for interaction, socialising and collaboration. All people have access to fresh and clean water, fresh food and education. A world where no animal is in danger because of human activity. A world where humans see themselves not as dominators of the world but as part of it. A world where robots help us run our services more effectively and create smoother, faster and more innovative solutions. A world where medicine is less invasive because those robots can be programmed to operate people with more precision and accuracy than humans ever could. A world where humans have time to create and innovate instead of doing menial tasks such as cleaning, lifting or labouring. This thought experiment is part of the Solarpunk movement. A movement created in 2008 that allows the possibility to create a better and brighter future than imagined before. A future where there is no suffering or war. A future where we empower each other and create spaces for productive debate, instead of demonising the other side. A future which sustainable for the planet and all beings inside of it. Interestingly, when ChatGPT is asked about the ideal world, it describes a future just like that. One with collective leadership over domination, one with connection over competition. One where we emphasise the importance of community building.



A future with nature-centred living and the understanding that we are one with it, not separate from it. A future filled with time for mindfulness, rest and reflection. We would live in decentralised communities, where local needs would be the only thing that matters.

While both scenarios are possible and valid thought experiments, with every choice in every moment, we affect the future. We are the ones who decide how we want it to look like and what actions we are taking to make it our reality.





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# HOW CHATGPT EMPOWERS YOUNG PEOPLE IN THE DIGITAL AGE

For young individuals, ChatGPT has become an essential tool that supports knowledge exploration, creativity, and skill

development. Its interactive nature allows

users to engage in conversations that reflect human interaction, making learning and problem-solving more engaging and accessible. Whether a student needs help summarising complex concepts, brainstorming ideas for a project, or refining their writing, ChatGPT can adapt to these tasks with remarkable efficiency.

Young people can also use ChatGPT to pursue their passions and hobbies. For instance, aspiring writers can seek guidance on storytelling techniques, while those interested in coding can request beginner-friendly explanations of programming concepts. Additionally, it serves as a personal assistant for organising schedules, drafting emails, or even generating ideas for entrepreneurial ventures. However, it is essential for young users to approach ChatGPT not as an infallible authority but as a complementary tool that supports their goals while encouraging active engagement and critical thinking.





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# HOW CHATGPT UNDERSTANDS AND COMMUNICATES:

ChatGPT's primary strength lies in its ability to engage in natural conversations that reflect human communication. To use ChatGPT effectively, users should be aware that it processes language based on patterns and probabilities rather than true understanding in the human sense. The key to effective communication with ChatGPT is clarity in the prompt. For example, rather than simply asking, "Tell me about AI," a more effective prompt would be, "Explain how Artificial Intelligence is applied in the healthcare sector, with examples of recent innovations." This type of precise instruction helps guide the model toward delivering relevant and comprehensive answers.

Moreover, ChatGPT can adjust its tone and complexity depending on the user's needs, so asking it to "simplify the explanation" or "use formal language" can further tailor the responses. The quality of communication is a reflection of how well users frame their questions, allowing ChatGPT to provide more detailed and specific information.



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# HOW CHATGPT UNDERSTANDS AND COMMUNICATES:

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**How ChatGPT Sparks Ideas and Solves Problems:** ChatGPT is a powerful tool for unlocking creativity, particularly when it comes to brainstorming and problem-solving. To make the most of ChatGPT's creative potential, users should engage it with open-ended prompts that encourage exploration. For example, if working on a creative project such as writing or design, a prompt like "Generate five unique story ideas based on the theme of environmental sustainability" could inspire novel concepts. Similarly, for problem-solving tasks, framing the question as "What are innovative solutions for reducing plastic waste in urban areas?" can yield practical and diverse ideas. It's crucial to remember that the prompt's structure determines the output's quality. The response will be more insightful and customised if the question is more detailed. For example, instead of just asking for solutions, users could guide ChatGPT by saying, "Suggest three solutions for reducing plastic waste that can be easily implemented in schools."

**Why Good Prompts Make ChatGPT Smarter:** The quality of users' guidance determines how well they interact with ChatGPT. The ability to give precise, targeted, and contextually rich instructions that direct AI towards appropriate responses is known as the "art of asking". An uncertain prompt like "What is climate change?" can lead to a broad response, whereas a well-structured question such as, "What are the social and economic impacts of climate change on coastal communities in Southeast Asia?" will result in a more detailed, relevant, and insightful answer. One useful strategy is to break down a complex task into smaller, more manageable questions. For instance, when researching a topic, a user might start with, "What are the main causes of climate change?" followed by, "How does climate change specifically affect agriculture in Africa?" By gradually narrowing the focus, users can guide ChatGPT to provide more accurate, in-depth responses.



### **Why We Shouldn't Rely on It Completely:**

Despite being an amazing tool, ChatGPT's limitations make it necessary to use it critically. It is crucial to understand that ChatGPT does not create text from actual comprehension or reasoning, but rather from patterns in data. Because of this, its answers occasionally contain false information, out-of-date data, or even made-up details. Unverified reliance on these answers may result in inaccurate information being spread or poor decision-making. The possible bias in ChatGPT's outputs is another issue. It may unintentionally reproduce cultural, gender, or societal biases found in its training material because it is trained on human-generated data. It's critical to acknowledge these limits, particularly for young people who could regard AI as a reliable source. Critical thinking is fostered by encouraging users to verify information with trustworthy sources and challenge the accuracy of answers. ChatGPT should not be the last word on any topic; instead, it should be a place to start your research.

### **Inclusivity and Being Careful with ChatGPT:**

ChatGPT's ability to generate content in multiple languages and adapt to various cultural contexts makes it a powerful tool for inclusivity. However, its limitations in accurately representing diverse perspectives require careful consideration. Young people using ChatGPT should remain mindful of how it might unintentionally exclude certain viewpoints or reinforce stereotypes. For instance, when seeking information on global issues, users should ensure that responses consider multiple cultural contexts and avoid a one-sided perspective. Being cautious also extends to ethical and privacy considerations. Users should avoid sharing personal or sensitive information during interactions with ChatGPT. While the tool is highly advanced, it is still a machine and does not guarantee the confidentiality of the data it processes. Teaching young people to approach ChatGPT responsibly—by verifying information, respecting copyright, and avoiding misuse—ensures that they engage with AI in a way that is both ethical and beneficial.

### **Balancing Opportunities in ChatGPT Use:**

With ChatGPT, young people have easy and broader options to learn, create, and grow. However, to fully unlock its potential, everyone needs to know how to ask questions, apply critical thinking, and be aware of its limitations. Using intelligent prompts and promoting the responsible use of this AI tool among youth will enhance their critical interaction with technology.



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This AI-generated picture symbolises the impact of artificial intelligence on younger generations. It serves as their everyday assistant, or even a friend, much like the dog depicted in the image.

AI tools assist young people with a variety of tasks, from completing homework and brainstorming ideas to aiding in decision-making.

Some even turn to AI for support with emotional challenges, using it to discuss difficult topics. AI has evolved into a true life companion for many.



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In this image, the man wearing the skull-designed helmet can be interpreted as a representation of Artificial Intelligence (AI), with his futuristic and tech-savvy appearance.

In contrast, the other man could symbolise humanity. Together, these two figures create a compelling juxtaposition between technology and human nature. This contrast adds depth to the image, encouraging reflection on the evolving relationship between humans and AI in the modern world.



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# 3 WORKSHOPS

## AI AS A STUDY BUDDY:

- 120 min
- Complexity: medium
- Aim: to introduce different AI tools and teach how to use them efficiently and critically

## AI AS A PARTNER NOT A REPLACEMENT:

- 90-120 min
- Complexity: medium
- Aim: to show the creative side of AI, dispel the misunderstandings of its purpose and use and teach how to use AI as a tool for creativity rather than a weapon.

## THINK BEFORE YOU CLICK:

- 120 min
- Complexity: beginner to medium
- Aim: to encourage youth participants to take a critical look at the ethical concerns related to AI and its use and engage them in a discussion on how to use it most effectively.



# AI AS A STUDY BUDDY

Duration: 120 minutes

## Themes:

- Technology
- AI
- Youth Education
- Learning

Group Size: 20–25 people

**COMPLEXITY: MEDIUM**



Participants will learn to use AI tools effectively for studying, focusing on generating quizzes, summarising content, enhancing language accuracy, and designing study aids.



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# AI AS A STUDY BUDDY

This workshop explores how AI tools can enhance study techniques and exam preparation. Participants will learn to use AI resources like ChatGPT, ChatPDF, Canva, Reverso, and Kahoot to generate quizzes, summarise content, improve language skills, and create study aids, all while fostering critical thinking and engagement in a collaborative environment. The session is designed to improve study efficiency and provide personalised learning strategies through hands-on activities and group work.

**Related Skills:** critical thinking, collaboration, digital literacy

**Issues Addressed:** lack of personalised study plans, inefficient revision techniques, time constraints

**Objectives:**

- To demonstrate how AI tools like ChatGPT, ChatPDF, Canva, Reverso, and Kahoot can simplify exam preparation.
- To teach participants to generate quizzes and summaries using AI.
- To guide participants in creating personalised and effective study plans.
- To evaluate the efficiency of AI-assisted study techniques compared to traditional methods.

**Materials:**

- Laptops or mobile devices with internet access for all participants.
- A projector and screen for group demonstrations.
- Access to all AI tools (ChatGPT, Canva, Reverso, QuillBot, Kahoot).
- Pre-selected content for quizzes and summaries.

**Preparation:**

- Provide an overview of the tools before the session.
- Ensure stable internet access.
- Test each tool to ensure smooth usage during the workshop.



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## 1. Energiser: "AI-Powered Word Association" (10 min)

1. Explain the game: Tell participants they will play a fast-paced word association game, but with a twist: they will use AI to compare their ideas.
2. Round 1: Say a random word (e.g., "AI", "Study", "Success"). Ask participants to quickly respond with the first word or phrase that comes to mind.
3. Round 2-5: Continue for 4-5 rounds, using different words each time.
4. AI Input: After the word association rounds, enter the words from the game into ChatGPT and ask it for associated words or phrases.
5. Compare Results: Compare the responses of the participants with those generated by ChatGPT. Discuss how AI can be used to generate ideas and brainstorm new concepts.

**Goal: Highlight AI's potential for brainstorming and creative thinking.**

## 2. Introduction (15 min)

1. Welcome Participants: Introduce the workshop and explain its purpose: to explore how AI tools can enhance study habits and exam preparation.
2. Overview of AI Tools: Briefly describe the five AI tools participants will be working with:
  - ChatGPT: Summarising texts, generating quiz questions, explaining complex concepts, and brainstorming ideas.
  - ChatPDF: Summarising and analysing PDF documents, extracting key information from textbooks, research papers, etc.
  - Canva: Creating visually engaging study materials like infographics, flashcards, and mind maps.
  - Reverso: Improving language skills, grammar checking, and translations.
  - Kahoot: Creating interactive quizzes to review study material in a fun and competitive way.
3. Relating Tools to Study Challenges:
  - Overwhelming study material: ChatGPT and ChatPDF break complex texts into summaries.
  - Ineffective revision: Canva and Kahoot make studying engaging and fun.
  - Personalised learning: Reverso helps refine written work and translate key points.



### 3. Leadership Icebreaker (15 min)

Divide participants into small groups to discuss their AI experiences. Suggested questions: Have you used AI before? Which tools? How can AI help with studying? Encourage sharing of personal experiences to build rapport.

### 4. Group Work (40 minutes)

Divide participants into five groups, each exploring an AI tool.

#### Group 1: ChatGPT

Debate a topic [e.g., "Should exams be replaced with projects?"], using ChatGPT to generate arguments for both sides. Present and discuss findings.

#### Group 2: ChatPDF

Upload a book chapter to ChatPDF, summarise key points, and discuss the core message. Present insights to the class.

#### Group 3: Canva

Design an infographic on study techniques [e.g., time management]. Include tips and strategies, then present the infographic.

#### Group 4: Reverso

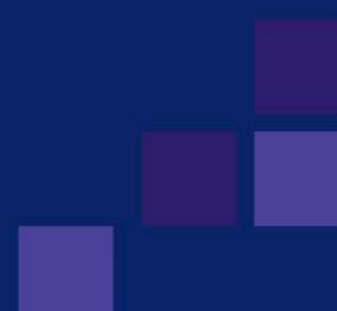
Use Reverso to correct a short text, analyse its suggestions, and create a comparison chart showing improvements. Discuss findings.

#### Group 5: Kahoot

Create a quiz on a study topic, include explanations for answers, and play it with the class for interactive learning.

### 5. Presentation of Group Work (20 min)

Each group presents their results in 4 minutes, sharing their task, AI tool used, outcomes, and challenges. Encourage audience questions and discussion.



## 6. Reflection - Debriefing and Evaluation (20 min)

1) Opening Question: Start the discussion by asking: "Which AI tool did you like the most and why?"

2) Main Reflection Questions:

- Effectiveness: Which tool was the most effective for your task? What specific features made it effective?
- Future Use: How do you think these tools could help you in your studies in the future? Can you see yourself using them for assignments or exams?
- Challenges: What challenges did you face when using these tools? How did you overcome them?

3) Closing Question: End with the reflection: "Do you think AI can become a part of your everyday study routine in the future? How so?"

## 7. Conclusions (10 min)

Summarise the session's key points and benefits of using AI in studying. Provide additional resources and thank participants for their engagement.



# AI AS A PARTNER NOT A REPLACEMENT

## Themes:

- Collaboration Between Humans and AI
- Ethical AI Use and Privacy
- Responsible Technology Adoption

**Group Size: 10–20 participants**

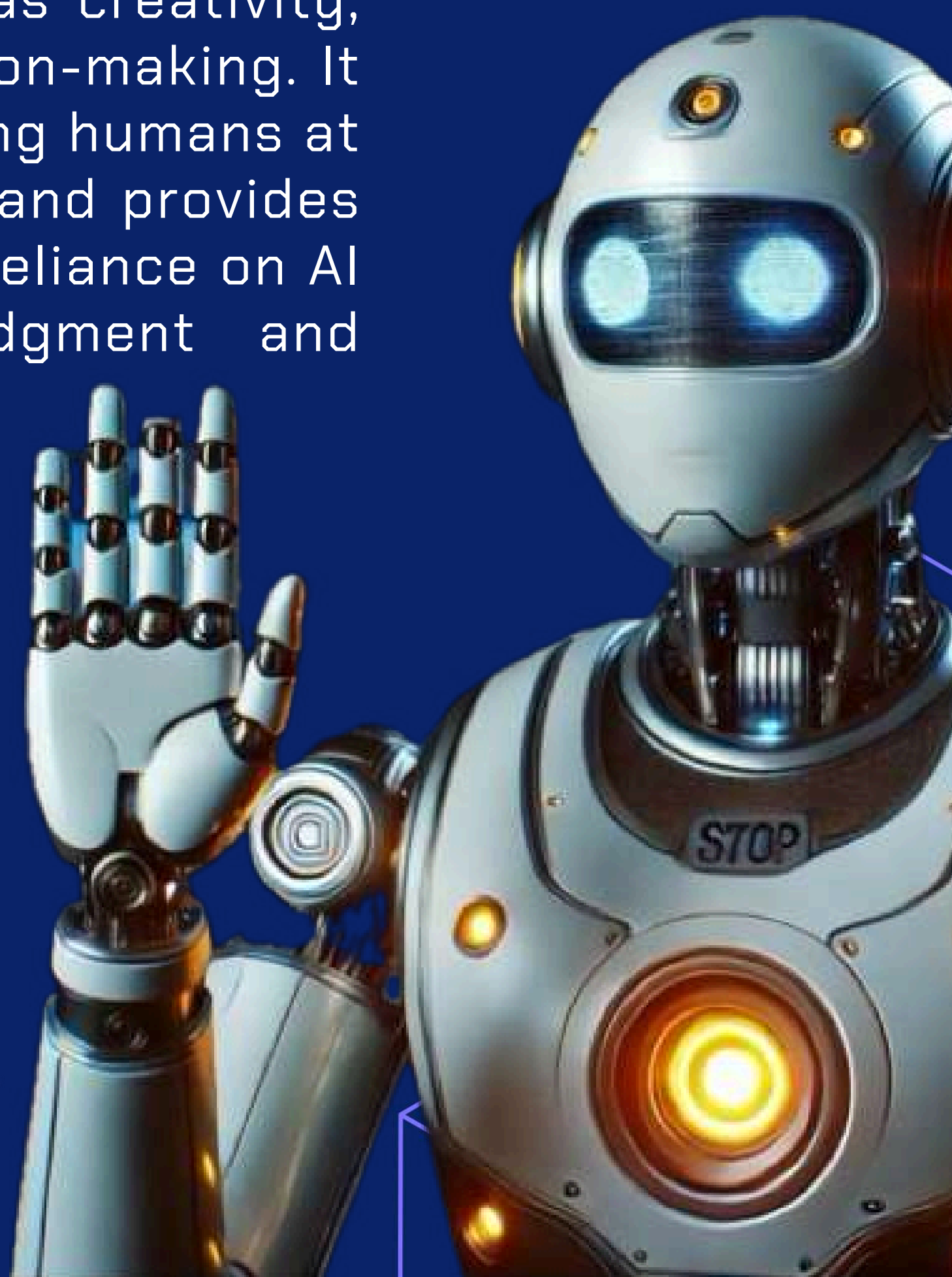
**Duration: 1.5–2 hours**

This workshop explores how AI complements human capabilities in areas such as creativity, critical thinking, and ethical decision-making. It highlights the importance of keeping humans at the centre of AI-driven processes and provides practical strategies for balancing reliance on AI with the need for human judgment and innovation.

**COMPLEXITY: MEDIUM**



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# AI AS A PARTNER NOT A REPLACEMENT

**Overview of AI Dimension:** Introduce AI as a tool for collaboration, not competition, emphasising its ability to support tasks like data analysis, creative brainstorming, and problem-solving.

## Related skills

- **Privacy Rights:** Explain data protection principles, including GDPR and informed consent for data usage.
- **Access to Information:** Discuss equitable AI access and open-source platforms.
- **Ethical Use and Accountability:** Explore the importance of transparent decision-making and accountability in AI systems.
- **Safety and Security Rights:** Address strategies to ensure AI is used safely and securely, including safeguarding personal data.

## Issues Addressed

- Misconceptions that AI replaces humans rather than complements them.
- Gaps in understanding of privacy and ethical AI use.



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# AI AS A PARTNER NOT A REPLACEMENT

## Objectives

- AI as a collaborator in people's lives.
- Responsible AI usage.
- Utilising AI in daily activities.

## Materials:

- Presentation slides covering key themes.
- Laptops/tablets for practical AI tool demonstrations.
- Handouts summarising key rights and responsible AI practices.

## Setup:

- Arrange seating for group discussions.
- Ensure a stable internet connection for AI tool demonstrations.



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# INSTRUCTIONS

## 1. Introduction (10 minutes)

Welcome participants, introduce the theme, and outline the session goals.

## 2. AI as a Partner (20 minutes)

- Discuss real-world scenarios where AI enhances human productivity and creativity.
- Highlight key differences between AI as a tool versus a replacement.

## 3. Quick Q&A or Poll: "True or False about AI" (10 minutes)

Participants guess whether statements about AI are true or false [e.g., "AI always gives the correct answer" – False].

## 4. Using AI Effectively (30 minutes)

Participants use an AI tool [e.g., ChatGPT, ChatPDF or Gemini] to complete a simple task: Draft a short email or brainstorm ideas for a project. Example:

- "Provide creative ideas for a social media campaign about AI in your country."
- "Make the email formal and include a suggestion to meet next week."

**Discuss as a group:** What worked well? What felt unnatural or needed improvement?



# INSTRUCTIONS

## 5. Discussion: "AI as a Partner, Not a Replacement"

- How AI can assist but not replace creativity, critical thinking, or ethics?
- How can AI help us find information or patterns that make decision-making easier?
- What do we need to check before trusting what AI suggests?
- Can AI help us think better, or does it make us lazy sometimes?

## 6. Closing and Feedback (10 minutes)

Use Menti.com to collect feedback from participants on their learning experiences. You may ask the following questions:

- Which skills did you need during the workshop and what skills did you get?
- What is most important while using AI?
- What is one key takeaway and what you enjoyed the most?
- Did you have any questions?

## 7. Debriefing and Evaluation

- Ask participants how their perspective on AI has evolved during the workshop. Discuss how they might implement these insights in their lives or work.
- Use a quick feedback form to assess the workshop's clarity, relevance, and engagement level.



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# THINK BEFORE YOU CLICK

**Duration: 120 minutes**

**Themes:**

- AI tools among young people
- Potential risks of AI
- Critical thinking

**Group size:** 25 participants

**Overview of AI dimension:** Participants compare and contrast their different beliefs or ideas.

**Objective:** To educate students on the potential risks of AI, raise awareness about ethical concerns, and encourage responsible usage of AI tools.

**Materials:** computer, projector, papers, sticky notes, markers, bowl or small box, hat, etc.

**COMPLEXITY: BEGINNER TO MEDIUM**



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# THINK BEFORE YOU CLICK

**Skills:** cooperation, critical thinking, digital literacy

**Issues addressed:** bias and discrimination, safety and security, education and digital literacy, mental health and well-being

**Target Audience:** Students aged 14-18

**Approach:** Interactive, informative, and participatory learning



## Energiser Activity (10 minutes)

**AI Charades:** The aim is to introduce AI in a fun, interactive way, and set a safe space for workshops.

**Instructions:** Write AI-related terms on slips of paper (self-driving car, chatbot, facial recognition, AI in education, smart home assistant, AI in gaming, AI in social media, AI in gaming, AI in surveillance, etc). Place them in a bowl, box, or hat. Briefly explain AI and its importance.

**Game Instructions:** Divide participants into two teams (depending on the group size). One person from each team draws a slip and acts out the term without speaking. Their team has one minute to guess. If they cannot guess correctly, the other team gets a chance. Alternate turns until all slips have been used.

**Reflection:** Highlight the importance of understanding and using AI responsibly. Discuss the AI terms and their impact on daily life. Thank the students and encourage further learning about AI.

## Workshop Part 1 (15 minutes):

**Objective:** To provide a basic understanding of what AI is and its applications.

**Short Presentation:** Define AI, machine learning, and common applications (e.g., recommendation systems, facial recognition, self-driving cars). Give examples of AI production (games, memes, videos, music, etc.).

**Interactive Poll:** Use Menti.com to ask students which AI tools they use or are familiar with (e.g., Siri, Google Assistant, YouTube recommendations).

<https://www.menti.com/al2wiqeftb9f> code for joining - 4742 4943

[https://www.youtube.com/watch?v=kQPC4\\_DsJ8I](https://www.youtube.com/watch?v=kQPC4_DsJ8I) - 1:16 minute video on Youtube about AI (instead of presentation)

**Discussion:** What benefits do they see in AI? Provide participants with helpful examples such as healthcare, education, finance, and creativity.



## Workshop Part 2 (20 minutes):

**Objective:** To highlight the potential negative impacts and ethical concerns related to AI usage.

**Presentation:** Discuss different dangers associated with AI (both real and potential):

- **Bias and Discrimination:** AI systems reflecting and amplifying existing biases.
- **Surveillance and Privacy:** AI's role in increasing surveillance, data mining, and privacy violations.
- **Deepfakes and Misinformation:** AI-generated fake media used to manipulate public opinion. Show how deepfakes have caused harm by spreading misinformation.

**Helpful examples:** Ideas which can help participants: Political Manipulation-Damage to Reputations.

**Group Discussion:** Ask students which dangers concern them the most and why. Encourage them to relate these issues to their own lives.



## Workshop Part 3 (30 minutes):

**Goal:** To allow students to engage with hypothetical situations and apply critical thinking.

**Instructions:** Split into groups of around 7–8 people. Each group receives one easy-to-understand problem about AI.

### Examples:

#### 1. Social Media Tricks

AI on social media shows you videos and posts it thinks you'll like, but it might keep you stuck seeing the same stuff all the time.

Questions: Why is that a problem? How could social media be made better and safer for teens?

#### 2. AI Watching You

Some schools and workplaces use AI-powered cameras to monitor activity. This can create a feeling of constant surveillance, even when individuals are doing nothing wrong.

Questions: How does this make people feel? What could schools or workplaces do differently to ensure fairness?"

#### 3. AI Giving Unfair Grades

Some schools use AI to grade tests or homework, but it sometimes makes mistakes or treats students unfairly.

Questions: Why is it problematic if AI makes a mistake? How can schools ensure that AI is fair for everyone?



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THINK BEFORE  
YOU CLICK

## ENDING SESSION

**Conclusion and Takeaways:** Recap the main points: the dangers of AI, how to use it responsibly, and the importance of being informed. Encourage students to continue learning about AI and to share what they've learned with peers.

**Q&A Session:** Allow time for students to ask questions and clarify concepts.

**Feedback:** Provide a brief survey for students to assess the effectiveness of the session.

## RECOMMENDATIONS AND SUGGESTIONS

**Engagement Methods:** Use polls, group discussions, and debates to keep students actively engaged.

### OPTIONAL FOLLOW-UP ACTIVITIES:

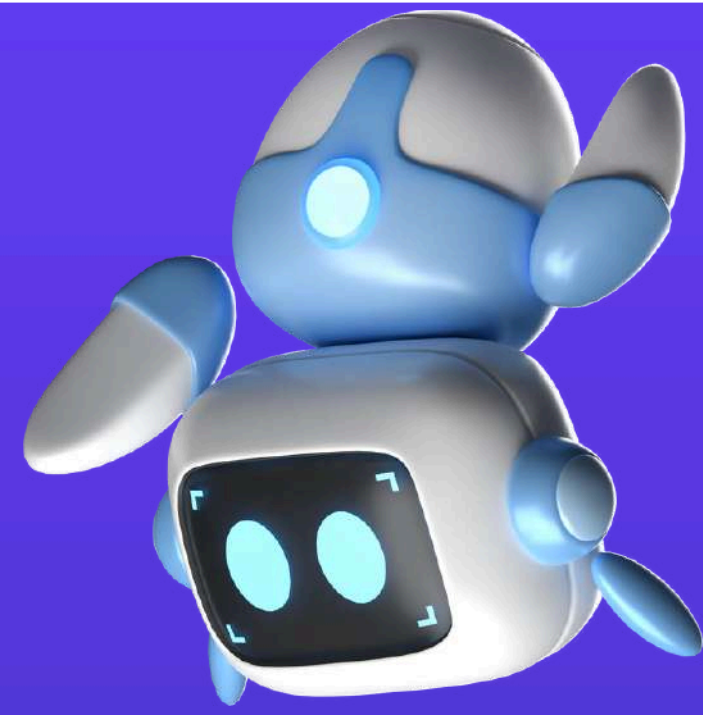
**Project:** Students can work on a project where they design a responsible AI system or explore solutions to an ethical AI problem.

This workshop plan should help engage students with a complex and evolving topic, while also making it relevant to their daily lives and future careers. By making the session interactive and thought-provoking, students will be better prepared to navigate the world of AI safely and ethically.





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# GAMES

## AI vs HUMAN

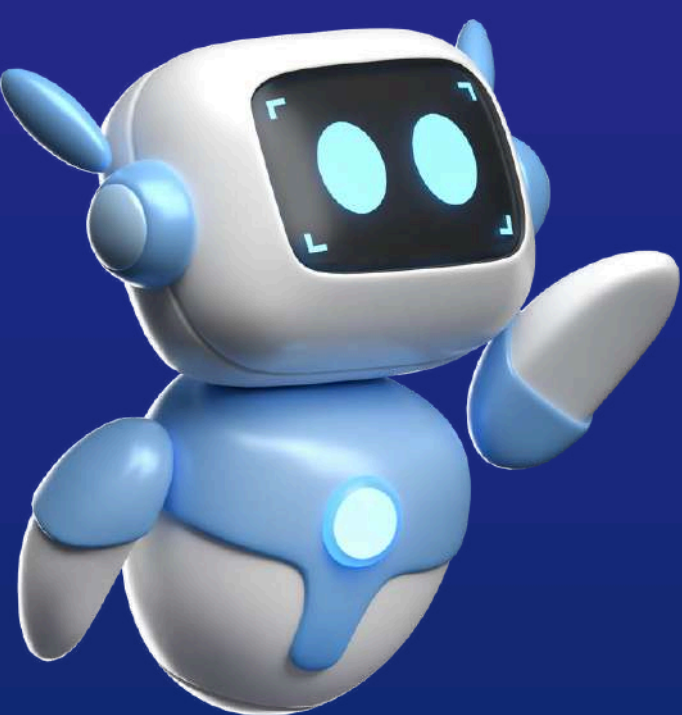
The AI vs. Human game is a suitable tool to achieve equipping people with pattern-recognizing skills. Participants must possess good decision-making and observative skills to master the game. The game showcases what AI can do efficiently and inefficiently, and where humans excel, like creativity. Players are given pictures and audio, which they must identify as AI-generated or human-made. There's an invisible line in the room, one side being the answer "AI generated" and another "Human made". They have to stand on the side based on their answer. The host announces the correct answer in the end and explains what we need to focus on while recognizing the images.

## The AI Quiz

A Kahoot quiz about AI is an engaging way to assess artificial intelligence. Players must focus and use most of their evaluative thinking to succeed. The quiz can teach foundational principles, ensuring that learners grasp key AI topics. It also prompts participants to think about ethical dilemmas, real-world applications, and societal implications of AI, in other words, improves their critical thinking. Our aim is to get a grasp on multiple aspects, such as recognizing the logos and acknowledging the abilities and limits of AI. We hope to see the youth being aware of the ethical usage of modern tools.

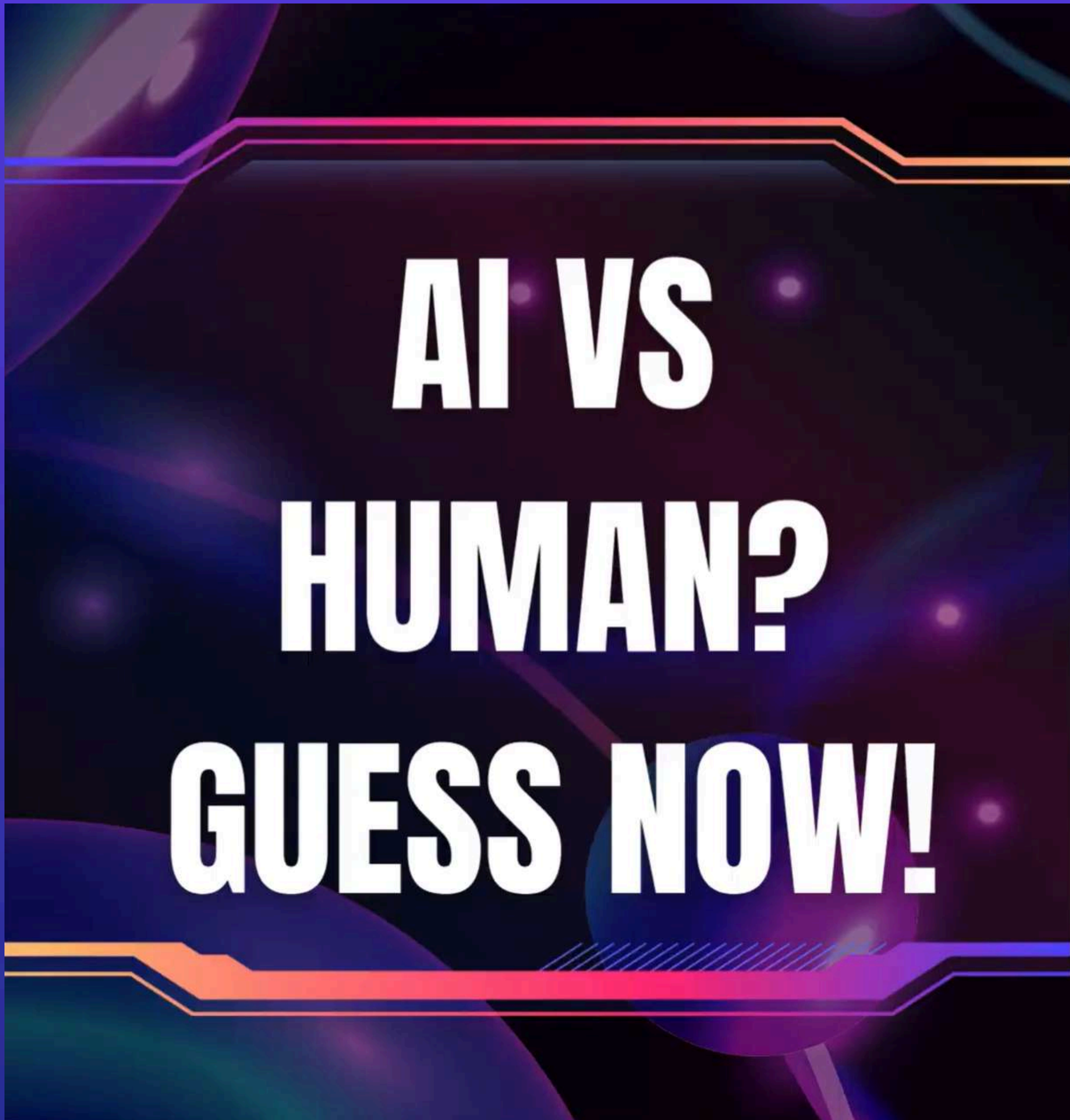
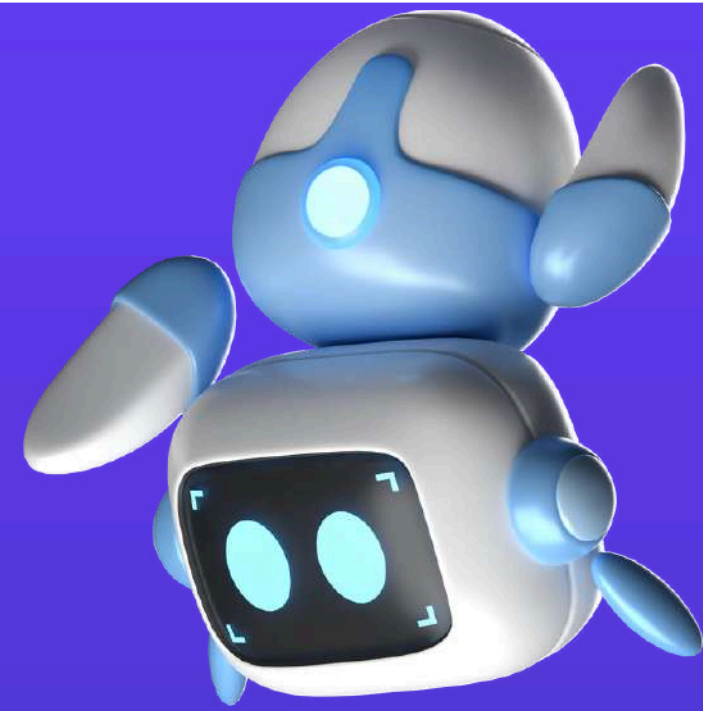
## Crocodile

Crocodile game is a variation of the game Charades. Players divide into 5 teams. One player is chosen to be the "crocodile" from each team, meaning that they will explain the given word written on a card. This could be a robotic object, AI tool or anything else associated with AI topic. The crocodile is using only gestures and miming actions to act out the word. The other players of the teams try to guess the word in 1 minute. This game is useful also for pattern-recognition, development of creativity and quick thinking.

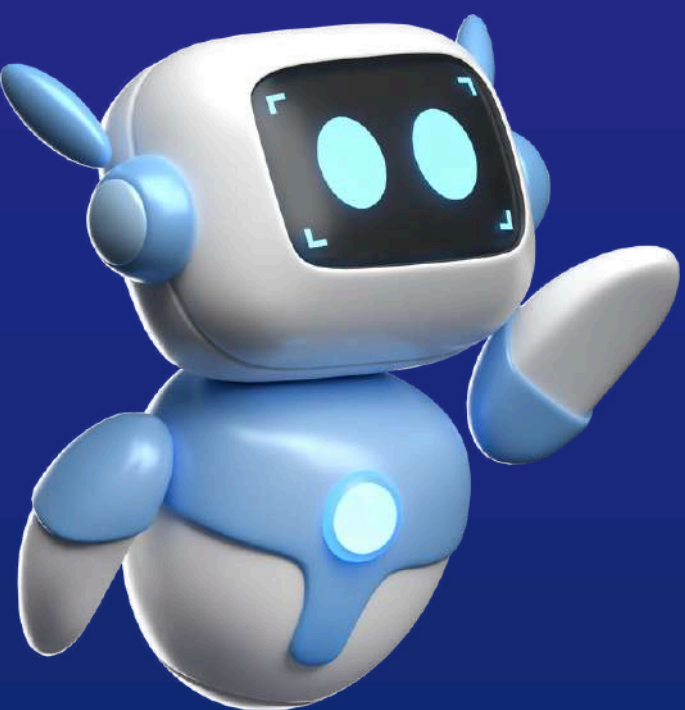




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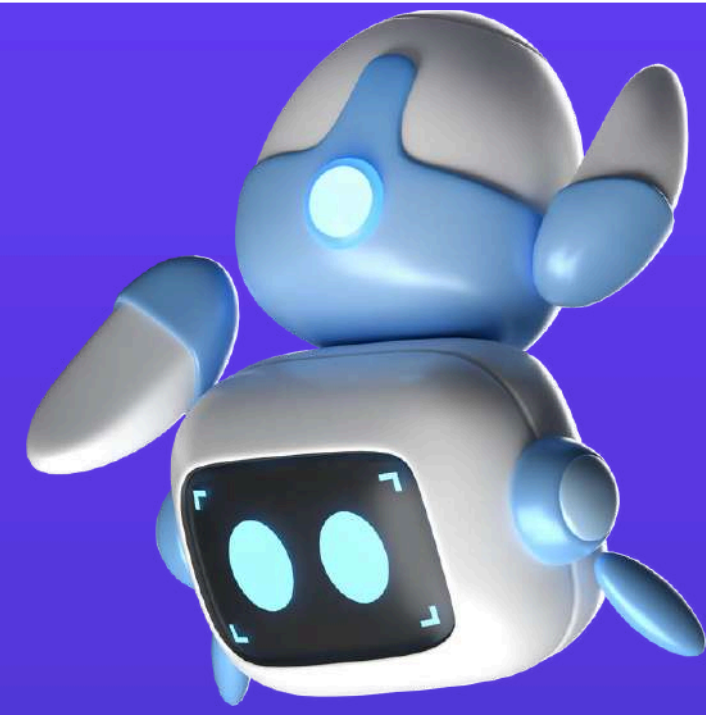


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# THE AI QUIZ



## The AI Quiz

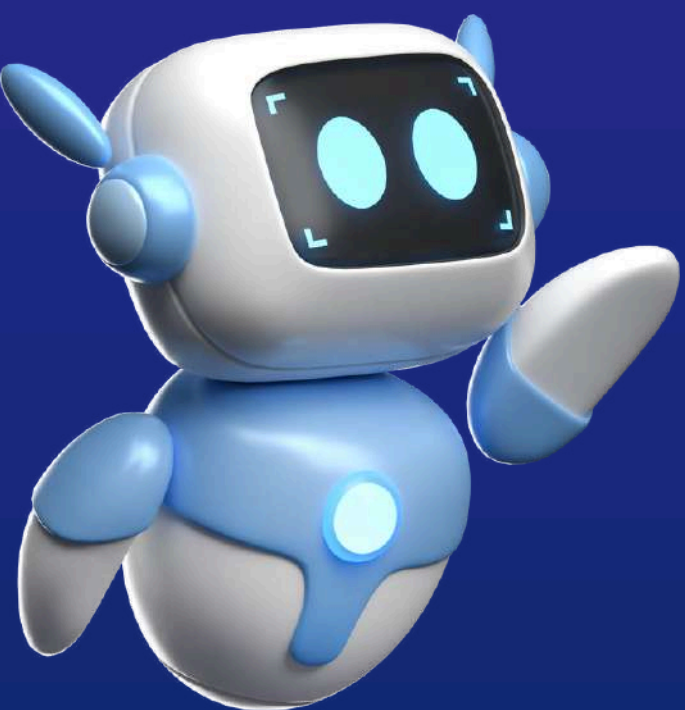
Created by: TomHilva  
Language: English

Plays: 0  
Players: 0

Shares: 0  
Favorites: 0

Play

<https://create.kahoot.it/share/the-ai-quiz/87c2a70e-2124-4bd8-a0c9-97638d1d3651>





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# Videos & Podcast

Get inspired by short videos showcasing how young people are using AI and ChatGPT. Discover their creative approaches and learn how they're shaping the future of technology.

Tune in to the podcast **The Future is Now: Balancing AI AND HUMANITY** as we explore how AI is reshaping the world! From ethical dilemmas to its impact on jobs and education, we discuss how to embrace AI as a tool and thrive in a changing future. **Stay curious, stay critical!**



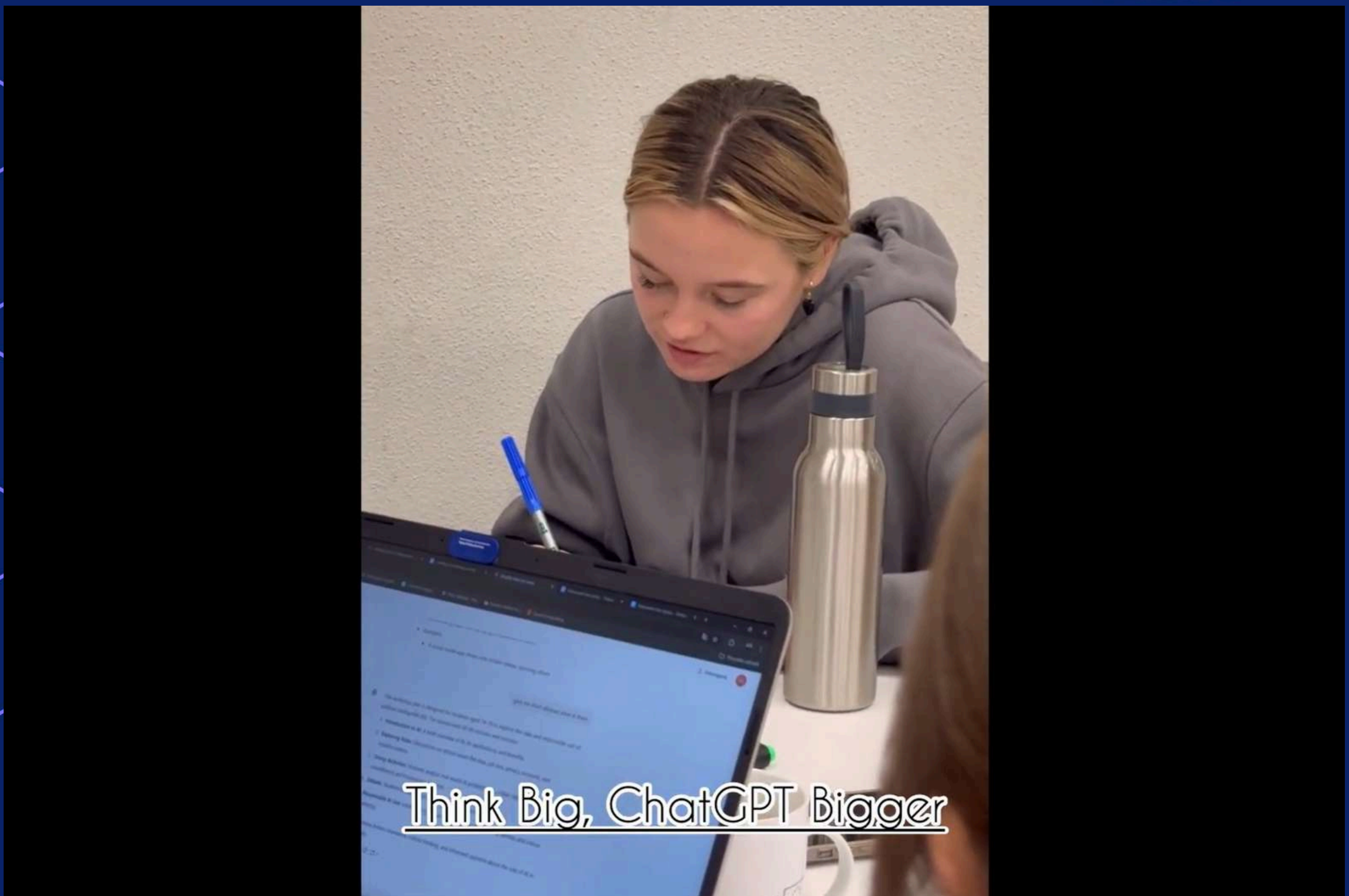


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# WHAT'S CHATGPT GOOD FOR?

[https://drive.google.com/file/d/1vxdpMXN79ZQnIDhn8N0Wev7M2vDJ2T2S/view?usp=drive\\_link](https://drive.google.com/file/d/1vxdpMXN79ZQnIDhn8N0Wev7M2vDJ2T2S/view?usp=drive_link)



Catch glimpses of participants' work,  
project insights, and catchy AI  
mottos!

# CHATGPT USE AMONG YOUTH

Watch insightful interviews on AI  
with project participants and  
young voices from Poland!



[https://drive.google.com/file/d/1OiWlezjYHghlnHj\\_G3Gl1jCbfhsOmrVy/view?usp=sharing](https://drive.google.com/file/d/1OiWlezjYHghlnHj_G3Gl1jCbfhsOmrVy/view?usp=sharing)



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# "THE FUTURE IS NOW: BALANCING AI AND HUMANITY"

AI is reshaping the world, but what does that mean for us? Join a lively discussion on how to embrace AI as a tool, not a crutch. From ethical dilemmas to its impact on jobs and education, we explore how to thrive in a world where the future is now. Stay curious, stay critical and give it a listen.

<https://open.spotify.com/episode/4Aqp1x3cEv8w6hPihlsmk4?si=7isxDN07TGKSFPstbr0N3g&context=spotify%3Ashow%3A6KiHLE9JgKY6qVl0bfKTCy&t=49>



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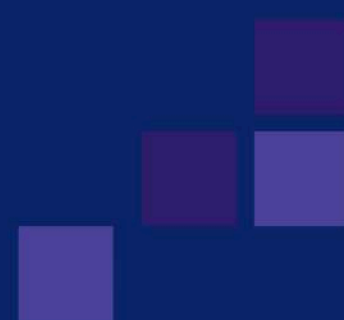


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# Conclusions

How should youth engage  
with ChatGPT critically?





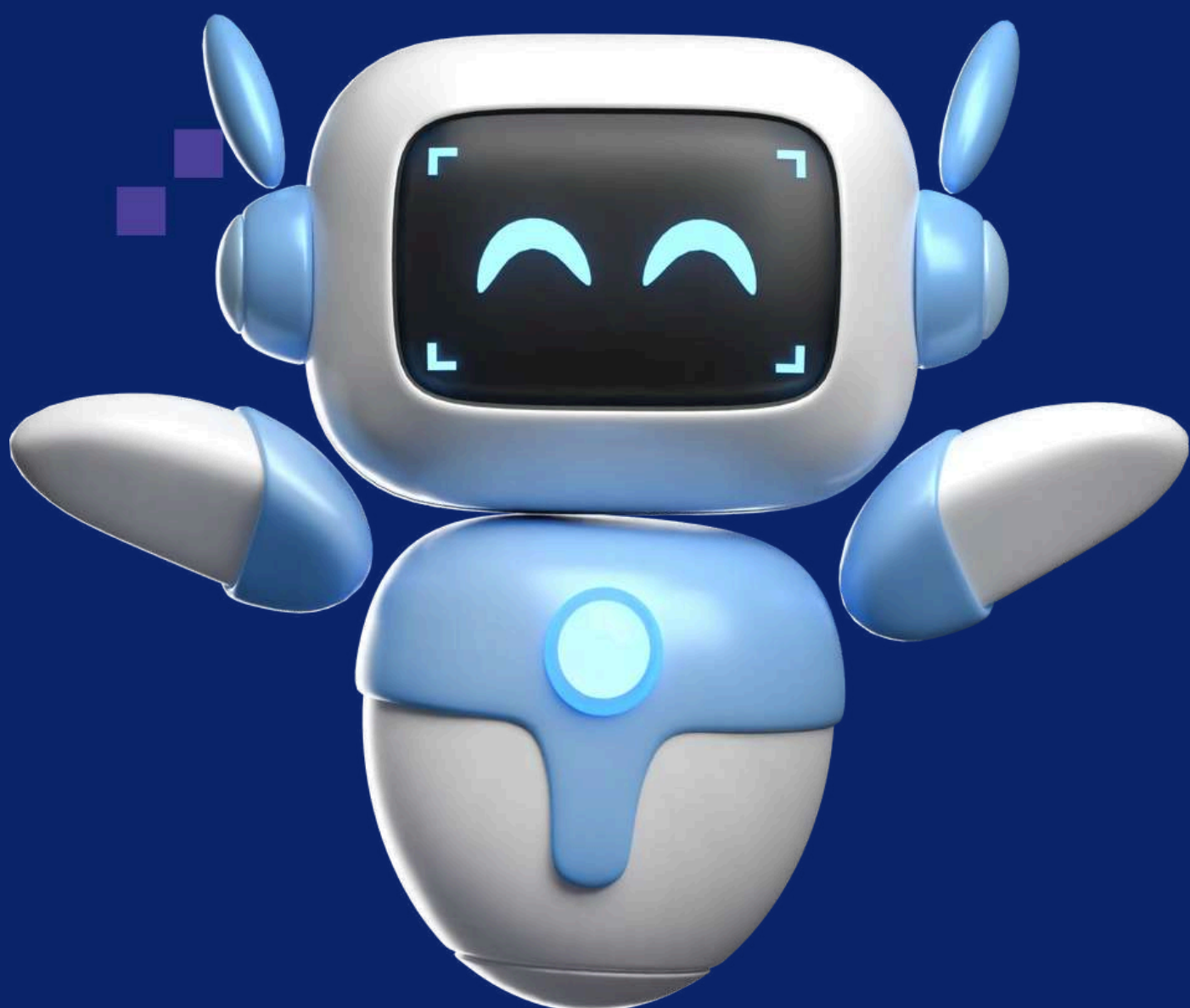


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In the end, the conversation around ChatGPT and its impact on young people's critical thinking is not straightforward; it's a delicate balancing act. On the one hand, AI has huge potential to inspire creativity, broaden knowledge, and make learning more engaging. It can offer new ideas, help students explore different perspectives, and support their problem-solving skills. On the other hand, there's a real risk that relying too much on AI could make us less inclined to think deeply or critically for ourselves and others, potentially damaging our cognitive skills in the process. The key is to use AI as a tool that enhances learning, not one that takes over the thinking process.

For that to happen, everyone involved in this process needs to collaborate to ensure AI is used in a way that encourages critical thinking while also addressing issues such as unequal access to technology. If we can find that balance, we'll be able to use AI in a way that supports, rather than undermines intellectual growth. In the end, it's all about ensuring that AI helps amplify our creativity and curiosity, without replacing the very things that make us human: our ability to think, question and grow.





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# CHATGPT FOR YOUTH CRITICAL THINKING SKILLS

By reading the CHATGPT For Youth Critical Thinking Skills project you will find out about ChatGPT's history, its current use and its advantages. You will read cases that question the moral grounds of ChatGPT regulation as well as get to immerse yourself in the funny encounters with AI.

There are also three workshops provided in this brochure, suitable for different age ranges and differing in difficulty levels. The workshops will allow you to explore the topic of ChatGPT and critical thinking more in-depth and engage with your local community on a more personal level.

You will also find a section with detailed explanation of how to play 3 different AI games. Both educational and fun, the games provide an opportunity for you to continue the exploration of this topic in a less formal way.

The participant of the project also filmed and edited two videos about ChatGPT and Youth as well as created a podcast, definitely worth listening to!

We hope that this is going to be a great start of a new exploration into the barely discovered realms of AI and ChatGPT use.

## **Disclaimer:**

CHATGPT For Youth Critical Thinking Skills project has been co-funded with support from the European Commission. This publication reflects the views only of the authors, and the Commissions cannot be held responsible for any use which may be made of the information contained therein.