

AI: A Potential Threat to Mankind

Brainstorming

Pros

1. Increases productivity as a supplementary tool
2. Huge opportunity in defence
3. Reduces human error
 - a) Breast cancer detection
4. Daily life applications
 - a) AI search engines
5. 24/7 available worker

Cons

1. Threatens several jobs.
2. Makes war more inhumane
 - a) IDF's Lavendar AI in the Gaza war
3. Output depends on training data
4. Expensive AI chips

Debates around authenticity

 - a) Deep fakes
 - b) Trained on "hallucinations"
 - c) "AI" human works.
5. Large Language Models (LLMs) are not "true" AI
 - a) Common chatbots e.g. ChatGPT & Gemini

Outline

1) Introduction

1.1 Attention grabber: In January 2024, AI was a key theme at the World Economic Conference, billed a major driver of the economy. Few days later in the US, voters in New Hampshire received a call from Biden urging them not to vote in the primaries, a call later revealed to be an AI Deepfake.

1.2 Summary

1.3 Thesis statement: AI has ~~become~~ fueled economic optimism around the globe but the threats it poses to several jobs, as a heartless weapon of war, and ^{to} the impartiality of its outputs is cause for concern.

Moreover, AI raises concerns for authenticity in a world already struggling with misinformation, as well as LLMs being marketed as AI when they are not "true" AI.

2. Understanding AI

2.1 Brief explanation of AI

2.2 Brief introduction to current AI players

e.g. OpenAI's ChatGPT, Google's Gemini

3. Pros of AI

3.1 A tool to increase productivity

3.2 Huge opportunities in defence & security

3.3 Several opportunities in healthcare

a) AI Breast cancer detection

3.4 Reduces human error

3.5 Daily life applications

a) AI search engines

b) Smart AI devices

4. AI as a Threat to Mankind

4.1 Threatens several jobs

4.2 Makes war more inhumane

a) The IDF's Lavender AI surveillance

used in the Gaza war

4.3 ^{Breeds} Potential for mass surveillance

4.4 ^{Reinforces bias} ~~Output depends on training data~~

b) Racial and gender bias of training data is reinforced.

4.5 Raises debates around authenticity

a) Trained on human works

i) Image generators 'accused' of plagiarising real artists' work

b) Deep fakes

i) Biden's AI voice deep fake in US primaries

ii) Cybercrimes

c) AI hallucination — made up information presented as fact by AI chatbots.

4.5 Questions of whether Large Language Models (LLMs) are "true" AI.

a) Common chatbots e.g. ChatGPT & Gemini — predict the "next word" rather than ~~generate~~ "thinking"

5. Conclusion

5.1 Thesis statement

5.2 Summary

5.3 Concluding sentence.

