

AI as a Reformer and a Tyrant

Outline

1. Introduction:

Thesis Statement: Artificial Intelligence is a double-edged sword, it has the potential to be both a reformer and a tyrant. There is a need of well-devised strategy to balance its dual role.

2. The Dual Nature of AI: Reformer and Tyrant

3. Artificial Intelligence as a Reformer:

- a. AI automation in agriculture boosts crop yields and reduce food insecurity
Case in point: An US based company John Deere is using AI-powered sensors and GPS to optimize farming processes.
- b. AI military technologies can be precise to chose target and reduce heavy casualties.
- c. Predicting and mitigating climate

disasters with AI systems.
Case in point: Brazilian company Siperio uses AI to predict disasters that will occur in future.

d. Quality education has become more accessible globally with the help of AI educational tools.
Example: Platform like ChatGPT, Microsoft's Copilot, and Google's Gemini assist students in their academic activities.

e. AI tools help healthcare professionals by analysing data and identifying health risks.
Case in point: Google's DeepMind Health uses algorithms to analyze medical records and help doctors spot at-risk patients.

f. Jobs will be created by AI.
Reference: The World Economic Forum predicts that AI will create 90 million new jobs by 2025.

4. Artificial Intelligence as a Tyrant:

a. AI role in censorship threatens freedom of expression

b. Over-reliance on AI technology could reduce individual creativity, innovation, and skill set

c. AI deepfake technology is misused to influence political outcomes and spread misinformation
Case in point: In the U.S elections, deepfake videos of politicians and celebrities circulated to sway public opinion.

d. Exacerbating environmental issues through high energy consumption
Reference: Sasha Luccioni, a researcher on the impact of AI on climate, highlights that AI uses 30 times more energy than traditional search engine.

e. AI automation can lead to an increase in unemployment of semi-skilled or unskilled workers
Reference: The IMF estimates that 60% of advanced economies, 40% of emerging economies and 26% of low income countries' jobs will be affected by AI.

f. AI systems can perpetuate biases present in data they are trained on

5. Balancing AI Role as both a Reformer and a Tyrant:

- a. Efforts to be made to strike a balance between AI advancements and societal values
- b. Human touch is needed in certain cases since several scenarios are indistinguishable
- c. There is a need of regulatory frameworks to eradicate misusing AI in incorporating it with wrong algorithms

6. Conclusion

Essay

There are always advantages and disadvantages to technological advancements. When machine automation came during the industrial revolution, people started fearing the loss of jobs to machine automation. However, it created more jobs for people rather than replacing them. Nowadays, there is a new debate about the emerging Artificial Intelligence technology: is it a reformer or a tyrant. As a reformer, it is revolutionizing agriculture to boost yields and reduce food insecurity. It is bringing precision to military operations to minimize casualties. AI systems can predict climate disasters. AI-powered educational tools are accessible globally to learn quality resources. It is supporting doctors and predicting health risks. AI innovations are creating jobs across multiple sectors. Contrary, it threatens freedom of expression and its over-reliance could reduce human creativity, innovation, and skill set. Furthermore, the deepfake technology is being used for political outcomes. It is exacerbating environmental

issues and AI automation could lead to unemployment for semi-skilled and unskilled workers. In addition, these systems could perpetuate biases based on data they are trained on. However, balance between AI advancements and societal values, human touch for indistinguishable scenarios, and regulatory frameworks to eradicate its misuse could reduce its disadvantages. Moreover, Artificial Intelligence is a double-edged sword, it has the potential to be both a reformer and a tyrant. There is a need of well-derived strategy to balance its dual role.