Ethical Dilemmas in AI: Navigating the Future of Technology.

1. Introduction

2. What does ethical dilemma in AI stand for?

3. How ethical dilemma is navigating the future of technology?

4. What are the various ethical complexities and moral ~~considerations~~ concerns associated with AI development?

① lack of transparency in data usage for training AI models - social biases

② AI models used to perpetuate and widening the existing global inequalities

③ AI has increased the global copyrights and intellectual property theft.

④ AI models used to generate fabricated but convincing contents to spread misinformation.

⑤ AI abilities to synthesize deadly weapons in battle fields, raising concerns about technology.

6. AI models help governments and big Tech giants to breach individuals' privacy easily.

7. AI used by Authoritarian rules helping them to consolidate political powers in their states.

8. Use of AI without regulations or checks is violating the standards of International humanitarian laws - established to protect humanity.

9. AI increases the loss of conventional jobs and increasing unemployment all over the world.

10. Environmental concerns are increasing regarding AI-models trainings, acquiring significant amount of energy to train them.

11. AI models are helping populist leaders to influence masses through rhetoric and hate speeches.

(12) AI has initiated the AI-powered military arms race ~~between~~ among states and big *tech* giants

(13) the psychological and hybrid warfare have increased and ~~get~~ *got* more sophisticated due to AI technology.

(14) Deepfake generated by AI is increasing polarization in the society and eroding trust in democracy, depicting dark and concerning sides of AI technology.

5- Ways to navigate the ethical concerns of AI for the future of technology:

① Ensure transparency and fairness in AI-training to navigate the ethical concerns regarding AI-models

② Develop clear lines of guidlines for AI developers to avoid its dark sides

③ Empower the government to regulate the AI technology to ensure its effective use

④ Form a robust regulatory framework to govern AI in warfare.

⑤ Ensure and protect individual's privacy and consent for data collection for AI-models.

⑥ Work to mitigate the existing biases in AI Algorithms in order to avoid discrimination.

⑦ Develop AI detective tools to ground fake information and deepfake stuff, to ensure public trust in democracy.

⑧ Retain the human decision making authority in AI-models to avoid any demage by the machines.

⑨ Establish a collaboration between humans and AI to avoid replacement of humans by the machines.

⑩ Develop an International cooperation and collaboration to address ethical challenges regarding AI and future technologies at

a global scale

(11) Form an 'Ethics Review Board' that acess the ethical implication of AI projects and technologies before they are develop.

(12) Keep the top tech giant companies under governmental check to ensure their products maximise benefits and avoid malicious purposes

6- Case study of chat-gpt-4; its ethical sides and concerns regarding it

7. Conclusion

the process of evolution in the realm of technology is the only constant. Although, the aim of of technological development is to make life more easier. The ground-breaking force is reshaping the world technology with the development of Artificial Intelligence - AI. However, the unprecedent development in AI in last few years has raised many ethical questions regarding the future of the technology. No doubt, AI has benefited the human beings in many ways, but its dark sides can not be ignored. The ethical dilemmas regarding AI, has created an existential threat for human beings. That is why, the ethical question regarding AI is important to resolve to avoid the further complexities for the human race and the forcoming generation. Moreover, the ethical complexities and moral concerns regarding AI includes lack of transparency in AI models training, increase global copyrights theft, generate fabricated contents, ability

to synthesize weapons for battle fields, and breach of individuals' privacy by governments and tech giants. Moreover, helping authoritarian leaders to consolidate power, increasing loss of human jobs, increasing environmental concerns, and eroding public trust in democracy through deepfakes in the society. All the above concerns regarding AI technology and the future technology suspect the very purpose of technological developments of tech giants. Nevertheless, there are various ways to navigate the ethical concerns of AI for the future of technology. For instance, ensure transparency and fairness in AI-training, develop government regulation mechanism to check AI-models, framework to govern AI in warfare, develop detective tools to ground deepfake and fake news, and retain human decision making capacity to govern and regulate AI, through all the above means the ethical concerns regarding AI and future technologies would be solved. Thus,

different AI-models like chatgpt-4 has raised concerns regarding intellectual theft, but through stringent measures and government regulations, these concerns would be led down and the benefits of technology can be utilized today and in the future. This essay explores light on AI development and the ethical concerns related to the technology; where as, the essay provides possible solutions to overcome ethical concern regarding AI and future technologies.

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