

AI can be the savior of Human race

OUTLINE

I - Introduction

ii - Thesis Statement: Although AI poses a threat to moral and ethical values of a society, yet it is a savior for many social, economic, political problems of human race.

iii - How can AI play a transformative role in mitigating societal challenges?

1 - Healthcare: • AI is widely applied in diagnosis and treatment recommendations.

• Healthcare Robots: like Surgical Robots by USA provide superpower to surgeon.

iv - How can AI be leveraged to enhance education?

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1- AI technologies are increasingly being used to facilitate the management and delivery of education

• Educational Chatbots

• OU Analyst (UK)

• Unitime Project is a comprehensive AI powered education scheduling system

2- AI is a major cause of production of Autonomous vehicles, that has prevented accidents and saved hundreds of lives in USA.

VI - How AI helps humans in governance system?

AI can improve the 3 pillars of sustainable development in a governance model.

- i - Economic Viability
- ii - Social Equity
- iii - Preservation of Environment

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vii - Role of AI in economy

1 - AI will contribute more than \$15tr to the global economy by 2030.

viii - AI in Pakistan.

ix - AI is posing threat to human race - A counter perspective.

x - What measures should be taken to substantiate AI as a genuine savior.

x - Conclusion.

ESSAY

Historically, humans have faced tough times and found ways to make life better. Like when machines powered by steam made life easier. Now, we are in a new era and AI is our new savior helping us with today's problems. AI has saved humans from many social, economic and political problems. For instance, before AI, humans faced hurdles in diagnosis and treatments of different diseases but now AI is widely applied for this cause. Delivery and management ~~is~~ of education was a big issue to deal with but AI has made it easy. Many new technologies which were difficult for our ancestors to even think of are now being used popularly, like Autonomous Vehicles. Therefore it is rightly said by Paul Ellen (cofounder of MS)

'AI can be human aid fixing fundamental problems in our planet and allowing us to have technology and infrastructure that could otherwise take centuries to figure it out'

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AI is not one technology, but rather a collection of them. Most of these technologies have immediate relevance to healthcare field. Some particular AI technologies of high importance to healthcare is machine learning—neural networks and deep learning. Machine learning is a statistical technique for fitting models to data and to 'learn' by training models with data. The most common application of machine learning in healthcare is precision medicine—predicting treatments. Neural network helps to determine whether a patient will acquire a particular disease. Similarly, a common application of deep learning in healthcare is recognition of potentially cancerous lesions in radiology images. Its increasingly being applied to radiomics also. By maximizing the use of AI technologies in health sector, the efficiency and effectiveness of healthcare can be increased.

AI has the potential to address some of the biggest challenges in education today. It can innovate teaching and learning practices. For instance, Educational Chatbots are online computer programs that use cloud-based services and AI techniques to hold simulated conversation with people. The human user types or speaks a question and the chatbot responds, and provides information. Another example is OU Analyse, an AI application designed by the UK Open University to predict student outcomes and identify students at risk of failing by analyzing data. Another US based project is also an aid in education system. Uni Time project is a comprehensive AI powered education scheduling system that develops timetables for University courses and examinations. By using these tools, other countries can also enhance the transparency and productivity of their education system.

AI has transformed the model of governance drastically. The three pillars of sustainable development in a governance model can be improved by AI.

- (i) Economic Viability - AI has the potential to create sophisticated decision models for govt planning and budgeting.
- (ii) Social equity - The use of AI is essential in bridging the gap between govt and people.
- (3) Preservation of Environment - AI can predict global warming using satellite data for solar radiations.

Public uses data management tools of AI for understanding effects of policy. If all these AI aids are removed from a governance model, it would be almost impossible to ensure transparency and thus an effective governance can not be done.

Economies are thriving due to the increased use of AI based technologies. A report indicated that AI will contribute more than \$15 trillion to the global economy by 2030. AI powered machines and robots can perform repetitive tasks with greater accuracy and speed, increasing productivity and efficiency in various industries. Like fashion and ~~fast food~~; Fashion industry has a record of high ~~emissions~~ productivity due to the use of AI. AI is largely improving financial services. Analysts say that AI reduce inflation by upto 1pp a year. Keeping in view all these success of AI, Pakistan has adopted AI on large scale.

Pakistan has developed AI institutes such as the Sino-Pak Center for AI (SPCAI) and the Secretariat of the National Centre of AI (NCAI) to apply more AI based technologies in different sectors. But still many areas are left without treating their problems by using AI.

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Although AI is posing a threat to human race like in the medical field AI is unable to decide which patient is in a more serious condition. It just works on the principle of 'more patients in less time'. Due to this, many hurdles are faced which are difficult to cure. AI creates income inequality. According to a report of Silicon Valley, 800 million jobs will be replaced by AI by 2030. But some experts are of the view that nothing can completely replace human intelligence.

AI must be used positively to optimize its benefits. Ethical guidelines and accountability mechanisms should be implemented. Continuous monitoring, unbiased data sources are crucial for responsible AI development. For ~~for~~ raising awareness and education about AI's benefits and risks is essential to build trust in its potential. If all these pre-requisites are kept in view, AI can be proved as a ~~in~~ saviour in all aspects.

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In Conclusion, the potential for AI to be a savior for human race is evident through its capacity to address complex challenges and efficiently contributing to various fields. If AI is already saving humans from many threats and a little more effort can minimize the remaining incompetencies that humans have.

