

Artificial Intelligence is not all evil - It can promote Social Good, too

Outline

I - Introduction

Thesis Statement:

Despite having the perception of Artificial Intelligence as inherently negative, AI has the potential of spreading and encouraging social goods.

II - Prevalent perception of AI as inherently negative

III - How can AI promote social good?

(A) In the domain of education

(a) Prioritizing learning paths of students through AI-powered algorithms

Case in point: DreamBox Learning uses AI algorithms to personalize learning paths

(b) Fostering inclusivity by adaptive accessibility features

Case in point: Microsoft Immersive Reader, Text-to

Speech and speech-to-text functionalities for students with disabilities

(c) Multilingual content delivery broadens access to educational resources

Case in point: Linguist and IBM Watson Education; AI-powered language learning program

(B) In health sector

(a) Use of AI-powered tool to detect high risk patients

Case in point: Detection of diabetic retinopathy with the specificity of 93.4%

(b) Analyzing patient data to tailor treatment plans

Case in point: AI-driven predictive analysis by Mount Sinai Health System New York

(c) Accelerating drug discovery and development

Case in point: Discovery of DSP-1181 for the treatment of obsessive compulsive disorder

(C) In the field of justice

(a) Reshaping the complex field of law and justice

Case in point: DoNotPay lawyer mobile app

(b) Enhancing the efficiency of decision-making by reducing the workload of judges

(D) Social welfare and development

(a) Potential of AI in the poverty alleviation mechanism

Case in point: financial inclusion through loans, job matching, and skill development

(b) Combating food insecurity through precision agriculture techniques

(E) In environmental level

(a) Assistance of AI in environmental monitoring system

Case in point: ALERT California AI programme

(b) Wildfire conservation and biodiversity surveillance
Case in point: The Global Forest Watch platform

IV- Challenges hindering the progress of AI in encouraging social good

(a) Potential threat of societal bias and discrimination

Case in point: Racial bias in healthcare algorithm affected 200 million people in 2019.

(b) Transforming industries and reshaping job markets

Case in point: Displacement of 275 million jobs by 2030

(c) A threat to human extinction

V- How to optimise the benefits of AI as the protector of social good?

(a) Maintaining accountability for the actions of generative AI model

Case in point: "AI ethicist" and "AI ombudsman"

(b) Well-defined boundaries by focusing on human-centric approach

(c) Enhancing government race to regulate AI tools

Case in point: EU based "Artificial Intelligence Act"

VI- Conclusion



Artificial Intelligence is not all evil - It can promote social good, too

Artificial intelligence has great potential in spreading good in various fields, particularly in the social domain. Despite having perception of AI as inherently negative, it proves to be beneficial. The immense advancement of AI is the decisive factor of AI as an excellent helper. "According to Kai-Fu Lee, "AI can improve human efficiency, optimize resource allocation, and address pressing social issues, from education to healthcare." Accordingly, by considering the optimistic role of AI in education, health, and environment, the overall goodness

of AI is observed. For instance, it helps prioritize learning paths of students, foster inclusivity, and broadens multilingual content delivery. In education. Moreover, in the field of health, the beneficiaries of AI is perceived in its environment detecting high risk patients, and its assistance in biodiversity preservation are some of the defining indicators directing the world's thoughts to positive AI. However, in navigating the potential advantages of AI, the negativity in its way could not be ignored. The potential threat in terms of societal discrimination and overall threat to human survival are some challenges hindering its smooth progress. Nonetheless, various indicators are present to nullify, or at least reduce, the danger of AI, like accountability mechanism through AI ethicist. Conclusively, AI has the ability to make almost success in the social domain provided that its challenges are tackled sagaciously.

Undoubtedly, the great risk is associated with AI which have masked

its capability as the beneficial for human beings. Such negative perception includes the threat to human survival in the form of economic inequality, ethical concerns and discrimination and biases. Moreover, the uncontrolled deployment of AI in the military domain has a huge risk on the existence of mankind. These highlighted schemes of AI as an evil hides the excellency associated with AI. Therefore, it is highly recommended to depict both sides of the issue before coming to the conclusion.

In exploring the positivity linked with AI, the providence of learning path to the students in education sector tops the most. It utilizes AI-powered algorithm to sort out students queries and promotes the path of learning. For example, DreamBox adapts the curriculum to match each students' pace and comprehension level, provided targeted interventions and support. It not only prioritizes the learning path for the students but also targets the traditional curriculum applied to every

pupil irrespective of his mental capability. Therefore, AI has revolutionised the education sector in this way.

In addition to specific curriculum, it helps fostering inclusivity by adaptive accessibility features. By inculcating the features of text-to-speech and text-to-speech functionalities, it encourages the approach of education to disable features.

One of the most important features in this domain is the Microsoft Immersive Reader, a specification of AI, to include people with disability in the field.

The application is integrated into various Microsoft services like Microsoft Word, OneNote, Outlook, and Teams. It is quite beneficial especially for the poor vision people to access information in any field. Thus, it is not wrong to say that AI has a role in amplifying the social goods.

Another perspective of AI in education sector is the content delivery in multilingual approach. It, undoubtedly, has broadened the access to different educational resources. Language is

is no longer the hinderance. Consider the AI-powered language learning program, such as Lingvist and IBM Watson Education, it has widened the scope of learning. Ostensibly, this language changer program has connected the whole globe by linking students of different continent. They would get diversity of knowledge in this way. Conclusively, AI has proves to be capable in providing quality education to all irrespective of their language.