

# AI and Mankind

## Outline

### 1. Introduction

Thesis statement: AI has created much ease in the lives of people by facilitating them in each field of life. It has also some disadvantages, which create problems for humans. However, these issues can be handled by ensuring a few sincere steps by governments and AI developers.

### 2. Definition of AI

### 3. Advantages of AI to mankind

- a) Prediction of natural disasters
- b) Detection of fraudulent activities
- c) Enhancement in health facilities
- d) Facilitation in education
- e) Ease in communication
- f) Reduction of issues in travelling
- g) Ease in shopping
- h) AI provides entertainment to people
- i) Provision of facilities to people with disabilities
- j) Companionship for elders

Several measures

Phrase it in a more effective way

### 4. Disadvantages of AI to mankind

- a) Augmenting environmental issues
- b) Displacement of jobs
- c) Surveillance of humans
- d) Errors in healthcare
- e) Issue of misdiagnosis
- f) Likelihood of accidents
- g) Killing of humans by robots

### 5. Recommendations to outweigh the disadvantages of AI

- a) Establishment of AI safety institutes
- b) Development of ethical AI
- c) Provision of representative data
- d) Constant monitoring of AI

### 6. Conclusion

## Essay

Human nature is to live a comfortable life. Thus, humans have been trying to create ease in their lives since time memorial. The invention of Artificial Intelligence (AI) by humans is a step towards bringing ease in their lives. The reason is that AI has many advantages for humans. For example, humans can protect themselves from any natural disaster by predicting them. they can also detect activities that can harm them. Besides, AI provides health and education facilities to humans. There is neither any issue in communication nor in travelling. AI also facilitates humans in shopping to a great extent. People with disabilities do not lag behind others owing to AI. It also provides company to elders. The fact is that AI has also a few cons along with pros. It is affecting environment. Due to it, people are losing jobs out and out. They are also under constant surveillance. AI has errors in healthcare because people are enduring the problems of misdiagnosis. There are also chances of accidents. Moreover, robots are killing humans. Each and every thing of this world has merits as well as demerits, and demerits can also be addressed. Thus, a few problems that AI are creating for humans can be tackled by taking some prudent steps. For this to happen, governments must make sure to establish AI safety institutions, AI developers must develop ethical AI, there must be provision of representative data and AI should be monitored all the times by its developers. In a nutshell, AI has created much ease in the lives of people by facilitating them in each field of life. It has also some disadvantages, which create problems for humans. However, these issues can be handled by ensuring a few sincere steps by governments and AI developers.

As far as definition of AI is concerned, it is acronym of Artificial Intelligence. It means that machines perform those tasks, which a human can perform. It further has three types namely: average AI, Advance AI and super AI. Average AI refers to machines that can do those works that are of average nature. For example, operating systems of mobile companies that can work on the instructions of humans. Advance AI means AI that can have intelligence of humans. For instance, Chat GPT that can write assignments and guide students in their studies. Super AI has yet to come. It means AI will perform actions that a man cannot do. In short, AI means to perform the duties of humans.

There are many facilities of AI, the chief among which prediction of natural disasters. It means one can be aware of disasters before they cause any type of destruction. In this time and age, AI developers have developed AI models that alert humans before any disaster, so that they can take preventive measures and protect themselves. In this regard, the efforts of researchers at

Stanford must be lauded for developing an AI model that accurately predicts the likelihood of aftershocks following earthquakes. Given this, humans can be protected from any upcoming natural disasters with the help of such AI models.

Moreover, detection of fraudulent activities is also facilitated by AI through and through. To cheat others is no longer an easy task for the culprits in the presence of AI. In fact, businessmen can do their transactions and detect dubious activities in no time by using AI. As a result, the chances of any corruption are reduced to minimum. For instance, PayPal is using AI for transactions very effectively because fraudulent activities are detected. Thus, no one can cheat owing to it. In sum, one can detect fraudulent activities and improve one's business by the blessings of AI.

There is also enhancement of health facilities for the people due to AI. They can live a healthy and prosperous life. They do not have to go to the doctors because AI can provide same facilities to them in their homes. For instance, DeepMind of Google has developed an AI system that can detect eye diseases from medical images with accuracy comparable to human experts. Thus, AI has brought much ease in the lives of patients because they know about their health issues by staying at homes.

Like health, there is facilitation in education by AI. Students can learn whenever it is convenient to them. They do not have to wait for the teachers. They do not pay any fee. They just have a smartphone and an internet connection to get the best teaching. For example, Dreambox uses learning AI to provide adaptive math education; and it helps students learn at their own pace. Given this, AI is very beneficial for all the students in their learning, especially for those who cannot afford to arrange tuitions for them.

Not only is there facilitation in education, but there is also ease in communication. Without knowing the language of other people, people can talk to them without taking the assistance of third person. They just have to install a few apps that can convert their message in the language of those to whom they want to convey their message. Native Chats is one of those apps that lets business owners speak with their customers in their localized language with fluency (Imran Batada, "AI that works for all", February 2023). To sum up, AI facilitates people in communication out and out.

When it comes to traveling, there is reduction of issues in travelling. AI has made travelling very easy for the people across the world. They do not have to learn maps; and they do not take assistance of other people while travelling. For example, Global Positioning System (GPS)

guides people to navigate their ways. They just need to enter their desired location, and by following GPS, they can get their desired location without being perturbed. To conclude, AI facilitates people in travelling.

Along with travelling, there is ease in shopping. People buy things in less time on internet due to AI. Each person has his own taste; and after knowing their taste, AI shows things that they like, so that their time can be saved. For example, an online shopping website Amazon uses AI to analyse shopping habits of the people; and it shows people the commodities that they like the most in the first place. In doing so, people are facilitated because their time is saved, which they can use in doing something productive.

Besides, AI provides entertainment to people. They do not need to be worry in case they are alone and they do not have money. AI is there to make them relish the life by engaging them in activities that can put smile on their faces. For instance, professor of Carnegie Mellon University in Pittsburgh Roger Dannenburg has created an AI system that entertains people by playing music with them (D Fox, "AI can help", August 2023). In this way, AI is ending dullness from the lives of people by playing music with them.

Furthermore, there is provision of facilities for people with disabilities due to AI. Like many other people, it also facilitates those having innumerable problems in their lives owing to their disabilities. Now-a-days, several softwares and apps have converted their disabilities into abilities because they can perform various tasks without being burden on others. For instance, Siri and Google Assistant help those who cannot type. Besides, screen readers and image recognition technologies make visually impaired people independent, for they can excel in their lives by using these facilities. In short, in the era of AI, people with disabilities cannot lag behind other people.

AI also provides companionship to elders. They are not alone. There are robots that can listen to them, which is good for their katharsis. For example, Paro, which is an AI powered robot, provides emotional support to those elderly individuals living in nursing homes in different countries of the world. In conclusion, the worries of elders have decreased because their issue of loneliness is address due to Paro robot.

Although AI facilitates the humanity, yet it has a few disadvantages; like, it is augmenting the environmental issues. Instead of addressing the menace of global warming, AI is furthering it. AI Models, which are made to facilitate humans, are harming them by emitting carbon dioxide in the air. In 2020, researchers at the university of Massachusetts estimated that training a large

single AI model can emit as much carbon dioxide as a car driving for 20 years. In short, it can be stated with a fair degree of certainty that AI is polluting the atmosphere by emitting carbon dioxide.

Additionally, it creates problems for humans because there is displacement of jobs. People are being deprived of earning. Works, which were previously done by them, are now being performed by robots, perhaps with great efficacy and without money. Foxconn, a major electronics manufacturer, has replaced 40,000 jobs with robots. In a nutshell, in the age of AI, people are losing jobs due to robots.

What is more, surveillance of humans has greatly increased due to AI. They cannot enjoy privacy. Governments, which are using AI to put people under surveillance, uphold that they are doing so to ensure better security situation of their countries. However, in reality, they want to be aware of all the activities of their citizens what they do. The US has a surveillance program called prism. Through this program, it is monitoring all the activities of its people (Adeela Naureen, "The privacy debate", June 2023). Given this, people are under constant surveillance in the world because of AI.

In addition, there are errors in healthcare. People cannot depend on the recommendations provided by AI for their health. In several health cases, AI systems has not recommended the right way to cure the patients that shows that it is dangerous for the patients. For example, an IBM Watson-powered oncology system recommended incorrect and unsafe treatment options for cancer patients. In short, one can say with full confidence that the lives of the people are in danger because AI can recommend the wrong treatment for a disease.

Likewise, there is issue of misdiagnosis by AI. As a consequent, people can immensely suffer. Dozens of apps have been introduced in the world to diagnose different diseases. However, they misdiagnose diseases, due to which the problems for people increase, rather than decreasing. Not too long ago, skin cancer of a woman was misdiagnosed by a smartphone app. Hence, AI has failed to address the issue of misdiagnosed in the world.

Besides, people can suffer due to likelihood of accidents in the world. Now, proponents of AI are happy to see the self- driving cars. However, they must not neglect the fact that these self-driving cars can cause accidents and kill humans on a large scale. In 2018, in the US, Uber self-driving car crashed and killed a pedestrian. In short, AI self-driving cars are dangerous for the lives of humans because it can kill passengers that are travelling in it and those who are in its way by hitting them.

Like car accidents, killing of humans by robots is also inevitable. Sometimes, they cannot differentiate between humans and other objects. Resultantly, they put humans into machines, due to which humans are killed. According to the Yonhap News Agency, A man was mauled to death by a robot in November this year in South Korea. He met with this dreadful tragedy because machine apparently failed to discern him from boxes of produce that it was handling. Given this, humans are being killed by robots.

There are no two opinions that AI has some cons, but these cons can be addressed if governments ensure the establishment of AI safety institutes in the countries. In this way, the true purpose of AI can be achieved in letter and spirit. Governments must consider the prototypes of those states that have initiated such programs, so that AI, which was made for humans, can render them ease. For example, the UK has announced the first ever AI institute. The reason behind establishing it to outweigh the disadvantages of AI for humans. It aims to train other countries as well (Rishi Sunak, "AI safety and role of governments", October 2024). In conclusion, other countries must follow the UK in establishing AI safety institutes.

Like governments, developers of AI systems must take responsibility. They must make sure the development of ethical AI. There must not be any room for unethical data in their systems. In fact, to develop an ethical AI system is not impossible, for there are systems that have been built with great ethics. For example, GPT 3 Model of OpenAI includes guidelines to avoid generating harmful content. In short, to avoid any negativity, other developers of AI system must do the same.

Moreover, AI system developers must ensure the provision of representative data. Indeed, this is very crucial to reap the full benefits of AI. Presently, AI systems that have representative data are greatly facilitating humans in the world. For instance, project debater of IBM can debate with humans on various issues. Thus, humans enjoy using it because they want AI systems to be unbiased. Given the success of project debater of IBM, other developers must develop their systems by inculcating representative data in them.

In addition, there must be constant monitoring of AI systems. Failure to do so lead AI systems to deviate from doing their real jobs. Many developers of AI systems are of the view that AI systems must be monitored all the times because this is the right way to ensure their utility. Through monitoring, Amazon discovered gender bias. Thus, it retrained its AI recruiting tool, so that no one can be affected due to different gender, caste, creed and colour. In sum, constant monitoring of AI systems is of utmost importance to take advantages from it.

To conclude, AI, which was made for providing ease to humans, is benefiting them to a great extent. It is AI that can make them strong enough to tackle with natural disaster by letting them know before they strike them. It also makes them capable of keeping their businesses safe from any ilk of fraud. Better Health and education are also ensured by AI to make humans live a healthy life. Besides, humans can communicate with others and travel with great ease because of AI. They do shopping while remaining at homes and save their time for other tasks. AI converted disability into different ability. It is the friend in need of elders. Nevertheless, it has a few demerits. For example, our climate is affected due to the development of AI systems. Moreover, the opportunities for earning are lessening. People find it difficult to maintain privacy. There are issues in healthcare, and people are misdiagnosed. The toll of road accidents could also augment in the presence of self-driving vehicles; and humans can also be killed by robots because of malfunctioning of the robots. To turn the disadvantages of AI into advantages, developed countries of the world must establish AI safety institutions, developers work hard to develop ethical AI systems, data must be representative in all the systems of AI and developers of AI systems must keep monitoring their systems.