

Q) Artificial Intelligence can be the savior of human race.

Outline

1) Introduction:

Thesis Statement: The 21st century world is exposed to a whirlwind of Artificial Intelligence. While its proponents tout it as a savior of human race, there is a faction that has reservations. Regardless of some minor drawback, Artificial Intelligence can be regarded as a savior, as it has countless benefits.

a) What is Artificial Intelligence and how is it spreading around the world at a rapid pace.

3) How is Artificial Intelligence a savior of human race

a) More wealth creation opportunities

b) Digital assistance in day-to-day lives

c) Can be used to perform repetitive tasks

d) It is very useful in the realm of Medicine

e) It gains experience and improves over time

- f) Can be programmed to assist with decision making
- g) decreases dependence over humans.
- 4) Some drawbacks associated with Artificial Intelligence
 - a) New and more dangerous security threats are emerging
 - b) Replacing jobs
 - c) Creating more dependence and reliability on Artificial Intelligence.
 - d) High manufacturing costs
- 5) How to circumvent the challenges and move forward.
 - a) upgrading skills of labourers and employees.
 - b) Creating rigid and fool proof security mechanisms that preclude security breaches.
 - c) Making technology and information sharing available to manufacture cheaper products
 - d) Spread awareness to dispel misconceptions harboured against AI.
 - e) Conclusion

The question of whether a computer can think is no more interesting than the question of whether a submarine can swim - Edsger W. Dijkstra. The mentioned statement of one of the most renowned computer scientists aptly describes the phenomenon of Artificial Intelligence that has swept the world. The 21st century world is exposed to a whirlwind of Artificial Intelligence. While its proponents tout it as a savior of human race, there is a faction that has expressed its reservations. Regardless of some of the minor drawbacks, Artificial Intelligence should be regarded as a savior, as it brings countless benefits. To name some of these benefits: More wealth creation opportunities, Digital assistance in daily lives, improvement over time, use in the realm of Medicine. However, it also poses some challenges: unemployment, security threats, high manufacturing costs and more dependence of machines. Although the challenges might seem daunting, by placing robust checks, they can be surmounted.

John McCarthy, one of the founding fathers of Artificial Intelligence, explains A.I. Maxim.....

in the following words, "It is the science and engineering of making intelligent machines, especially intelligent computer programs". In simpler words, AI refers to the simulation of human intelligence processes by machines. To enable computer systems to make logical decisions just as human brains do is the crux of this phenomenon. With the introduction of such sought technology, its rapid spread ~~in~~ ~~it~~ across the globe should come as no surprise. The age of globalization also assisted in the rapid increase of AI. As countries began to scale back international trade ~~and~~ barriers, AI was bound to permeate to different corners of the world.

One of the reasons why Artificial Intelligence can be considered as a savior of human race is the unprecedented wealth creation opportunities it produces. There remains no doubt that many parts of the world, developing regions in particular, are grappling with severe financial crisis. In such dire times, the spread of Artificial Intelligence can serve as a beacon of hope. Reinforcing this thought, World Economic Forum considers the age of AI to Maxim.....

Day / Date

be the fourth wave of Industrial Revolution that could create upto \$ 3.7 trillion worth of value via technologies and services. Such a massive wealth generation could provide a breathing space to the less fortunate regions of the world.

The spread of Artificial Intelligence has resulted in many of our daily tasks being regulated by advance technologies. Whether its booking appointment with a doctor, or switching off lights, all this is possible with a voice command. Many latest technologies such as Alexa, which is powered by Amazon, have taken the world by storm. The kind of assistance and ease it provides in getting day-to-day task done is unprecedented. Amazon indicates that 500 million units of Alexa-enabled devices have been sold so far. The splendid sales show the high demand of such AI tools, and the ease it creates in daily lives.

Another underlying benefit attributable to the spread of AI is that it can be used in various repetitive jobs and tasks. Many of the basic tasks Maxim

that previously need human supervision can now be done automatically thanks to AI. Such tasks include answering calls to register complaints, or maybe diverting customers towards the relevant department to address their queries. This can be very helpful for employers as they no longer have to hire more employees to do such trivial tasks, and hence could go a long way in adding to their profits. (corroborating the notion, PricewaterhouseCoopers (PWC) indicates that nearly 3% of jobs will be potentially automated by AI. The findings of PWC provide the much needed reassurance to employers who struggle to make profits due to overhiring of employees.

One of the vital, if not the most crucial, reasons for AI being regarded as a savior of human race is its contribution in the realms of medicine. The role of AI in medical field cannot be overstated. Not only does it provide versatile solutions to many problems, ^{but} the treatment it offers to treat some of the most deadly and incurable diseases that man has been grappling since many decades is remarkable. AI

has empowered doctors to diagnose faster and provide tailored treatment options to cater for the diverse needs of different patients. Such contributions in the spheres of medical, and the potential to save millions of lives, justify Artificial Intelligence being considered as a savior of human race.

Another major advantage of AI is that it improves over time. AI systems feed on immense data in order to immitate human brain and make decisions accordingly. As the device is initially set, it is prone to many errors. It is likely to provide ineffective or completely erroneous results. However, much like humans, it adapts to the feed back provided and over time learns and produces more accurate and desired results. This might be the biggest benefit of this kind of technology, it only gets better with time. According to Will Henshall, a writer for the famous Times Magazine, AI has been growing better to the point where it can now recognize images and speech better than humans. This shows that errors that many face with AI devices will slowly start to diminish over time. Maxim.....

AI could be employed as a tool to aid with intricate decision making processes. Much like how it extensively covers the contours of many major aspects of human life, the fabric of AI does not leave humans high and dry when it comes to making serious decisions or assisting one with it. This might be a more controversial feature associated with AI, with many arguing if relying on machines to this extent is advisable. However, the fact remains that AI can provide critical insights and multi dimensional perspectives regarding an issue, which might be all the help one needs to make the correct decision. Moreover, machines are bereft of emotions that could hinder rational decision making. Such factors make it an important and essential component that could help to avoid a lapse of judgement.

The dawn of AI can go a long way in decreasing dependence on humans. No longer do people have to muster up the courage to ask for assistance in daily tasks; no longer would they have to face the dilemma of either disturbing someone to seek help in trivial Maxim.....

tasks only to feel embarrassed afterwards on how simple the task was, or to proceed with something without any assistance and let luck govern the outcome of the matter. Reinforcing the thought, LinkedIn, a popular employment-focused social media platform, indicates that AI has tremendously decreased dependence of people on others, as many turn to AI-powered devices to get through trivialities of day-to-day lives. This reflects that among other countless benefits, AI can help people circumvent everyday tasks without awkwardness.

Although Artificial Intelligence has a ton of benefits, it does not come without certain caveats, with one being the emergence of new and more perilous security threats. Most of the world is transitioning to digitalization, thanks to the rapid spread of AI. Little do people know that with such a deep integration with technology, the susceptibility to hacking and security threats of such ilk increase manifold. Many AI-powered tools are equipped with little to no security measures, making them sitting ducks for cybercriminals. According to a recent study, the cyber crime rates Maxim

rose by 153% between 2017 and 2021 in Canada. These findings serve as a testament to the subpar security defenses in many devices.

Another downside of Artificial Intelligence is that it prompts or gives rise to unemployment. Due to its versatile nature and vast practical usage, the benefits of AI can be reaped in multiple domains. Many unskilled or even average skilled workers find themselves being replaced by technologies in the wake of AI spread. Although this is beneficial for employers, as it helps to keep employment costs under the lid; for the employees that are left jobless, it is not that beneficial. The Organisation for Economic Cooperation and Development (OECD) indicates that unemployment rates have reached 5.2%. The increasing unemployment rates serve as a clarion call to urgently address this matter before more people have to suffer from this.

Although incorporating Artificial Intelligence in day-to-day lives can be healthy, overreliance and overdependence on these technologies is not so healthy. Overuse of such technologies has a Maxim.....

Day / Date

fair share of drawbacks, chief among which is that it negatively impacts one's intellectual capacity. It has been scientifically proven that using AI tools merely to navigate through daily tasks can hinder intellectual growth. A study by Pew Research Center expressed concern over the increasing dependence on AI powered tools and warns that it might affect cognitive ability of individuals. The alarming facts uncovered by Pew Research Center reflects the dire potential repercussions AI can have on humans.

Another challenge associated with Artificial Intelligence is the high manufacturing and installation costs. The employers have reduced employments costs working in their favour; the exorbitant costs of AI technologies not so much. Due to the intricate and sophisticated development of AI equipment, not many regions of the world can produce or manufacture it; and therefore have to import it. With the manufacturing cost already being so high, coupled with import duties and other taxes, it becomes beyond the reach of many middle and low-income families. Consequently, a narrow elite class can only reap the benefits of this revolutionary technology. A recent Maxim.....

study published by University of North Carolina indicates that trade barriers and such challenges are hindering the development of AI industry in developing world. This reinforces the notion that much like other high-end, sophisticated products, the use of AI is reserved for the affluent.

The few drawbacks of Artificial Intelligence might paint a sombre picture, however, there are ways to ameliorate them. One of the ways is to upgrade skills of employees. Whether one chooses to face the reality or stay in denial, the fact remains that AI will take over many jobs. Many people might end up jobless if they do not upgrade their skillset. It is also crucial to understand that with AI comes a plethora of opportunities that one can avail if they possess the required expertise. In the view of this reality, the World Economic Forum has launched a reskilling initiative which aims to train and future proof 1 billion workers by 2030. In this way, some of the unemployment crisis can be offset.

Installing proper security checks can be made mandatory to prevent or Maxim.....

Day / Date

reduce cyber threats. If AI tools have proper security mechanisms in place, it makes it all the more difficult for hackers to penetrate the devices. Moreover, latest AI technologies gather user's interest and search patterns, and if it detects any anomaly, alerts are sent to the user to confirm their identity. Moreover, users are also informed if their devices have any unauthorised access. The latest AI equipped smartphones serve as a good example of this. These devices use a led light to signal if the phone's microphone, speaker, or camera are being used. So if the led appears while you're not using any of those features, chances are your phone is hacked. So although the ubiquitous usage of technology can provide many opportunities for hackers to exploit, the sophisticated, out-of-the-box checks make it all the more harder to hack.

Sharing the intricate and perplexing technologies ~~an~~ with the developing world can address the high cost associated with AI. The reason why such technology is beyond the financial reach of many is because only a handful of countries Maxim.....

can produce it. Moreover, these countries try every means to try and keep the manufacturing designs from falling into the hands of the developing world, as the profit from exporting such devices is a major source of income. However, if the developed world would shun self-aggrandisement motives and let altruism take over, such devices can go a long way in improving the dire condition of the global south.

Spreading awareness and disseminating valid information pertaining Artificial Intelligence can go a long way is dispelling many negative perceptions that people harbour against it. It is noteworthy to mention that human beings have an ingrained fear of change, and resist it for as much as they can. AI being a sophisticated and intricate phenomenon is likely to raise some suspicions. However, by educating people and informing them about the myriad uses and benefits, the process of accepting becomes much easier.

To encapsulate, the vast and profound benefits have rightly earned Artificial Intelligence Maxim.....

Day / Date

the status of being regarded as the savior of human race. Sure there are some risks and challenges the spread of AI brings, but by placing meticulously designed checks and robust measures, the negatives can be attenuated. The few solutions embodied in this essay can go a long wayⁱⁿ offsetting and surmounting the challenges.

Maxim.....