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English Essay

① # 6

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

Outline

1. Introduction

- (a) Industrial revolution transformed the world for good
- (b) Computer the greatest invention ever
- (c) Artificial ^{Intelligence} defining future of the world

2. Artificial Intelligence can promote Social Good

- (a) Artificial Intelligence changing personal life experiences;
 - (i) Artificial Intelligence enabled devices like Alexa revolutionizing household experiences
 - (ii) Artificial Intelligence helping humans in making better choices
- (b) Artificial Intelligence Promoting medical sectors;
 - (i) Telepathic doctors
 - (ii) Artificial ^{intelligence} helping in better assessment of Patients
 - (iii) Artificial Intelligence ~~resolving~~ revolutionizing the battle against pathogens

(C) Economic Sector is altered for good;

(i) Artificial Intelligence enabled marketing

(ii) Data enabled businesses catering the needs of customers

(iii) Bringing customers and vendors closer than ever before

(D) Promoting educational sectors;

(i) Individual based learning

(ii) Helping teachers in better assessment of students

(e) Revolutionizing transportation;

(i) Autonomous vehicles

(ii) Improving fuel efficiency

(f) Countless applications of Artificial Intelligence in space exploration

(g) Artificial Intelligence can help devise better strategies to

(h) Changing nature of jobs for human beings

3. Fears Associated with Artificial Intelligence;

- (a) Taking human instinct/emotions out of life
- (b) Human beings losing their jobs to robots
- (c) Fears of Artificial intelligence going rogue
- (d) Energy requirements for Artificial Intelligence
- (e) Bots shaping public opinion through social media

4. Artificial Intelligence Posing Grave Dilemma to Humanity

5. Conclusion

ESSAY

Industrial Revolution of the 18th Century is credited with the entire progress the humanity is witnessing and experiencing

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today. It embarked mankind on a journey, which resulted in great inventions. Computer, undoubtedly, is the greatest invention of all times. Not only has it digitalized everything around the globe, but also it has set man in his quest to discover, invent, devise and harness other forces. The most critical aspect of all these is to equip this amazing machine with human intelligence. In fact, man is striving to enable computers to make decisions on their own without human intervention or input. This is the conceptual framework of the Artificial intelligence, which has recently taken the world by storm. We have started experiencing its manifestations all around us. All the major tech giants such as Google, Facebook, Apple, Amazon, etc. are putting billions of dollars in the Artificial Intelligence usage, for they believe it is the future of this world. Home assistants, such as Alexa, are changing traditional household experience. Not limited to this, the (AI) is also revolutionizing the medical sector, for its applications in the medical

Sector, for its applications in the medical field have multiplied so swiftly that now medical doctors are almost speechless. Similarly, the economic sector, too, has started bearing fruit of the uses of Artificial intelligence. Given the background of the Artificial intelligence applications in handling huge data and automated decision making, it has been recently helping companies in their efforts for sale increase and consumer retention. It points to the fact the future of economic sector lies in the hands of Artificial intelligence. However, it is not all, for the Artificial intelligence applications are imaginations. Notwithstanding the benefits associated with the Artificial intelligence use, there are certain apprehensions about its usage. The great minds such as Elon Musk, CEO of Tesla and SpaceX and Stephen Hawking have voiced serious concerns over the AI usage in military and weapons - openly asking their peers to limit the AI usage, they have categorically stated that the day when the AI many overpowers human intelligence does not seem a far-fetched

idea. Although such intelligence fears have made the AI pose a social dilemma to humanity about its fear free usage, its future usages and fears associated with these usages may be allayed if the humanity is to make the most of it.

Beginning with the domestic chores and human luxury home improvement, the use of AI in this field has improved the living experience. The home assistants equipped with the AI are working from washing to cooking and freezing to mopping the floor. Following the increasing demand, the tech giants such as, Google, Amazon and apple, have started competitions in designing and manufacturing home assistants. This growing competition throws a light on how big the potential of the usage of AI lies in the home assistant manufacturing industry. In fact, home assistants are not only helping humans in saving energy but also using televisions and microwave ovens. Even now

moping of floors has made the domestic women feel the AI coming to help them. In short, the AI has transformed and promoting the very household experience for good.

Similarly, the AI is also helping human beings in making better choices in various field of life. For example, if a person is to buy new clothes, or to have haircut, he can use some Android application to find a shop or a saloon, which suits his demands, pocket and style. Similarly, the AI is also helping human beings come closer to each other than before, ending their biting loneliness. For example, social media is using the AI bring together people with similar interests, creating their groups of like-minded people, which may point to its uses to further grouping the people for marketing dominance. Also, the AI has brought a new concept of dating and marriage making.

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This surprising AI assistance is making one wonder where it may step in the future.

Its most astounding use has, however, taken place in the medical field, where the AI equipped surgical units have surprised the far-flung terminal patients to undergo operations and lives again to see the world. Although the concept of telepathic doctors is no new, the AI has revolutionized it so much so that now physicians are using AI even to evaluate the patient condition and that too with much ease and comfort. In fact, the medical field has witnessed this phenomenal change only because of AI.

Not limiting itself to surgeries and diagnosis, the AI also has entered the field of medical data. The difficulty that the doctors used to confront when keeping tracks of the medical history of their patients has now become a piece of cake for them. The only requirement for them now is to engage some data entry operators to feed

their personal computers with the data. The click on the keyboard is, then, required to see the entire medical history of a patient to perform diagnosis and prescribe medicines with accuracy and authority. If it is said that the AI usage has enabled computers to provide better option even than the doctors, it is not altogether wrong.

Another aspect of promoting the medical sector through the AI usage is the revolutionized battle against pathogens. In fact, pathogens are extremely good at adapting themselves to their environment. This adaptation of pathogens have made it highly difficult for doctors to find a suitable treatment for various diseases. Here the AI has come to their rescue. It is proving quite useful in this compundrum, for by using the data available on a pathogen, the AI helps doctors predict future features of that pathogen. This is how it can help devise a combat

Strategy against pathogens in advance.

Moreover, bots are emerging as a big challenge in this world of misinformation and fake news. They are artificial machines, which can interact with humans on social media. Several Israel based psychological interaction groups of its intelligence agencies have used these bots to start and fan propagandas. The New Yorker has reported recently that the same groups have used bots to fan the Arab Spring and even the US election of 2016 through fake news.

Another way through which the AI is promoting the economic sector is through data usage as started earlier. Data collected through social media or other mediums, become a handy tool for the tech giants to cater to needs of the companies and factories targeting specific consumers. The AI targeted marketing strategies than target the right type of customers, multiplying the sale opportunities.

the companies. The companies can then customize their products according to their customers needs. The AI has, in fact, caused the emergence of intrusive marketing mechanism based on this data collected and used through the enabled AI applications.

Another sector, transportation, too, is witnessing revolutionary transformations through the use of AI. First, autonomous vehicles have already hit the roads around the globe. In this connection, companies such as Tesla, Apple etc. are competing to take over the electric vehicle market, second driverless cars are becoming another norm that is soon going to flex muscles, while the driverless trucks have already become operational in the United State. Thus, the AI usage is going to transfer the transport sector that it has never been seen before.

Moreover, the world has just started to

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through the mysterious way of the space as the space data is transferred to space. A space of computer science world mind. However, the AI enabled computers are coming to hands, since they change the algorithm and help leaders' each conclusion based on result.

Facing on the challenge of Climate Change, the AI is helping in various ways to overcome the existing trend. The AI enabled computers help analyze a kind of data to predict the next seasonal change. The day to day weather forecasting is based on the same logic. Thus, the AI is the tool which can help water lands in our global world for several aspects the global economy.

However, the trend, that the AI is creating the world for good, is merely an act of an artificial intelligence. In fact, there are certain fears, which the people are starting to feel, it is becoming more frequent with

the AI used devices.

The first problem with the AI is that it is taking over human emotions about life and its antecedents. Take online dating, for example. People, having similar interests, can meet each other through some AI enabled internet applications. They can marry each other without feeling of love, for they found digital compatibility.

Also fears about the AI going rogue. These apprehensions might look childish at first, but a deeper analysis demonstrates that these fears may prove true in the long run. Imagine, a terrorist or a criminal taking control of AI based machine influencing human beings. Using that machine, he can easily wipe out identities of others. Thus, fears of the AI taking over human beings are quite real.

Last, the AI is rather posing a grave dilemma to humanity. The question surrounding the AI is whether it can

can be allowed to make decisions about human life. Take an autonomous car, for example. The car is responsible for the safety of the passengers. If it chooses between life of the passenger or hitting someone walking on the road to save the car from a deadly accident, the decision will be based on probability and calculation. This example illustrates that there are many social factors to be taken in account in assessing the suitability of the AI usage.

Conclusion

Putting it briefly, it is correct to state that the AI is revolutionizing the modern world. It has transformed every facet of human life, while its applications are not only wide-ranging but also highly intrusive. For example, in the field of medicine, it has brought revolutionization in diagnosis, data tracking history and distance surgical procedures which have been

unheard in the past. In the field of economy, it has revolutionized the every concept of marketing, gearing towards consumer, data mining and using intrusive marketing through algorithmic techniques. In education, it has targeted both students and teachers, making education a true learning experience, leaving assessment, evaluation and performance tracking to the computers. The future based on the AI seem to be mind-blowing as well as mind boggling. Yet, there are skeptical view surrounding the AI use in different fields. These fears are valid, and they will have to assuaged if the world is maximize its benefits. The sooner it is done, the better, let the world may witness a day a robotic machine gun goes on a killing spree with no one to stop it.