

Artificial Intelligence: A Double-Edged Sword Shaping Humanity's Present Crisis

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Stephen Hawking, while saying, "Intelligence is an ability to adapt to change" might have artificial intelligence in his mind with its pervasive intension in every field of human life. from Diagnosing diseases to driving cars; from predicting weathers to providing assistance; from accelerating economies to threatening job markets; from solving complex problems to raising complex questions, artificial intelligence has transformed the world - but at what cost? That is a mystery. It is usually said with perks come the perils and this saying is total reflection of artificial intelligence. It also poses a question that what exactly the nature of artificial intelligence is? It is a field, in fact scientific field of machines to store data and respond to robots according to the stored data. Artificial intelligence has guided human beings to the new horizons of life. Its contributions in almost every field; education, medical sciences, transportation industry, construction industry and bringing cultural norms close to connect the world. Transparency in democracy and engulping people's trust for the enhancement of democracy, artificial intelligence has played pivotal

role in it. Building climate resilient environment and its offshoots in sustainability are promising acts of artificial intelligence. Nevertheless, there is no doubt about the fact that it poses some serious threats which could be harmful and have stupendous impact on human lives. Moreover, from enhancing the missiles and drones technology to exploitative use of information, artificial intelligence contributes negatively. All in all, artificial intelligence is considered to be the life saviour and a mystery, both at the same time.

Perhaps, artificial intelligence is considered a double edged sword, since it has both - positive and negative - connotations associated with it. It has significantly contributed in present time to save people from many humanitarian crisis. Moreover, its exponential rise in technology is adding another feather in its cap. For instance, innovations in research industry and filling gaps to bringing revolutionary outcomes is making it a helping hand for human beings. Here, rises a question but at what cost, since it poses negative implications as well. Ergo, artificial intelligence can be boon and bane at the same time.

To begin with, artificial intelligence has revolutionized the medical sciences as it constantly saved the patients. Artificial intelligence analyzing the medical data and predicting whether a patient is susceptible to heart attack or stroke is an amazing and life saving contribution. For example, Artificial can analyze ECG reports and its irregularities in a way better than a cardiologist expert can do. According to the University of Nottingham report, an A-I build machine can predict 76% accurate date of heart attack than a doctor can diagnose. On the whole, artificial intelligence literally shocked the medical field through its vast contributions.

Additionally, artificial intelligence has saved humans from crisis by boosting up the economy. Financial crisis are the most vulnerable human beings can come across. For instance, US great depression in 1930's and global economic declivity in 2008, left people nowhere. According to the European Parliament, published in the Nature of Journal report, artificial intelligence will double the annual growth rate by the year 2035. Hence, it is evident from the fact that

artificial intelligence is saving people from financial crisis.

Similarly, in the agriculture sector, artificial intelligence has been contributing immensely. Agriculture sector is one of the prominent contributors in the economy for any country. With the help of satellite imagery and weather forecasts, artificial intelligence has been able to give rise in agriculture sector. With AI tools, soil analysis and nutrient deficiency are carried out. India's tech company has developed an AI tool - CropIn, which could save irrigated water upto 30% and that water can further be used for many other purposes. So, such a vast AI-technology proved to be in agriculture sector.

In the similar fashion, artificial intelligence is proving to be a defining factor in providing sustainable and climate centric environment to the people. Green revolution and sustainable cities projects are proven to be life saving for humans. For instance, with the help of Global positioning system (GPS) and satellite and aerial imagery, it can be noted down the % of deforestation occurred in certain areas.

and can take preventive measures to stop it. With the assistance of artificial intelligence, natural disaster could be predicted to help people evacuate and remain alert in case of any. Therefore, it is evident that artificial intelligence has contributed in sustainable environment to save lives.

Furthermore, digital democracy and use of artificial intelligence in building up the trust of masses are such exemplary combinations. Likewise, E-Governance with help of AI in many developed countries has helped governments to run their businesses smoothly and people's trust is fostering in their leadership. In the recent times, Finland government introduced AI-build budget showcasing machine, where people can see governments expenditures are being contributed in real time. This may lead to build trust amongst masses and government.

Along with that, in this era where fraudulent practices have become very frequent and issues of daily basis, artificial intelligence also played its part to control it. It can impact people very badly psychologically and AI is out there to help them get through

them. In banks and other business
forgery and frauds have become very
frequent. AI tool named as Fraudnet
is introduced to save people from
this harmful practice. Another humanitarian
crisis with the help of AI is being
controlled.

In addition to it, artificial
intelligence has played an eminent
role in transportation industry. With
the inventions of driverless car and
autonomous vehicles, CO_2 emission
could reduce upto 50% by 2050.
Since it is well known carbon emission
depletes ozone layer and it is
harmful for living things on earth. Also,
the major problem people face, when
it comes to transportation is traffic
congestion. Artificial intelligence with
the help of cameras and signal
designing, has proven to be fruitful
in providing 1 minute details to the
driver to avoid congestion. Ergo,
an enormous role of artificial intelligence
in transportation industry.

Lastly, artificial intelligence's
contributions in construction industry
is proven to be vital for human
cause. For instance, In 2023, NUST

researchers build the 3D Concrete Printing machine. The major purpose was to reduce cost and make the construction as economical as possible. The quality and time are two important parameters in construction industry and it provides both. Manual labor takes many days to build house and it can construct in a day or two. Briefly putting it, artificial intelligence has shown its miracles in construction industry, too.

And, now the denial, artificial intelligence has only transformed the world is like an act of ostrich putting its head in the sand. The preceding paragraphs were how AI proves to be life savior and the succeeding paragraphs will discuss its negative ramifications.

Firstly, artificial intelligence can be dangerous if not implied well. Countries and their interest in developing arms like missiles and drones could lead to disastrous consequences. With the help of AI it is becoming very easier to acquire precision and accuracy in target hitting capabilities. Before AI, the development was at low price but now it has grown exponentially.

Countries to maintain balance of power are severely engaged in it. According to Putin - Russian President - "who ever rule the AI, will rule the world" echoes the not so positive outcomes if world develops arms at this pace. Hence, one of the flaws artificial intelligence poses.

Secondly, privacy is breached with extensive use of artificial intelligence and disinformation spreads very quickly. Social media apps with artificial intelligence algorithms breach the privacy. Facebook, X (formerly Twitter) uses millions of data fed by people to utilize it for propagandist purposes. For instance, it is revealed that social media propagandas significantly manipulated 50 million users in the US elections of 2016. Brexit controversies is very famous and its evils are everywhere. Hence, it is a setback to humans in such case when it comes to AI usage.

Thirdly, it significantly plays its part in negating propagandas and creates cyber threats. According to EU Disinfo Lab, over 750 accounts formerly Indians have been detected which were generating propagandas against Pakistan. Propagandas and advertisements

with the help of AI-algorithms has disturbed humans psychologically. In a nutshell, artificial intelligence seriously posing threats via its inculcation in digital media.

Fourthly, Artificial intelligence is overpowering human beings and posing a great threat to job markets. For instance, many restaurants around the world, where unskilled waiters have been replaced by robots causing unemployment and poverty. Amazon saves about 20% expenses by incorporating robots in its offices. Many clerical jobs have been abolished and replaced by AI-tools. Hence, another loss to human beings with the appearance of AI.

Last but not least, artificial intelligence has caused gender-based violence. With the advanced technology it has created so many ways where women is exploited. AI-tools can generate 99% accurate picture and people harass women and girls by blackmailing them. According to the report, 26% of women and girls harassed aged 18-24 years using technology facilitated artificial intelligence. Such a negative usage of technology and ultimately causing gender based violence.

To conclude it, artificial intelligence has proven to be life saving in many fields. Though it has some flaws in it but certain measures should be adopted to overcome them. Like artificial intelligence, the way it has transformed the world and saved people from humanitarian crisis as illustrated above is a major breakthrough. Additionally it is helping people in many arenas of life and distorting the cultural barriers. Similarly, bringing innovation in technology and enhancing the global economy. Notwithstanding it contains some otherwise outcomes like promoting gender based violence and breaching privacy. It helps generating not only propagandas but also assists in arms proliferation. In conclusion, artificial intelligence is a boon and bane at the same time and as said by Stephen Hawking, "Computers will overcome human beings in 100 years, but when it happens, we need to make sure it have goals aligned with ours."