

Artificial Intelligence has overstepped its bounds

OUTLINE:

I. Introduction

Thesis Statement:

The ever-improving AI technology has crossed its acceptable limits. It is posing unignorable, formidable challenges to not only countries but also individuals. Before this beast becomes invincibly rogue, it is unavoidably necessary to take collective steps to restrain it.

II. Ability of a machine to do tasks, exclusive to humans: Understanding the 'Artificial Intelligence.'

III. Artificial Intelligence has transcended its reasonable limits

1. Evidence on a country level

A. Making global inequality more jarring

i- Developed countries dominating the AI world

B. Increasing hostilities among nations

i- Emails from unknown accounts to the New Zealand cricket board

C. Growing role in warfare and bloodshed

i- Shocking report by the + 872 magazine

D. Aggrandizing the hegemony of the powerful nations

i- AI-powered weapons and other modern technologies.



2. Evidence on an individual level

A. Building coercive and manipulative relations with humans

- i- A Belgian man's suicide
- ii- Attack on Windsor castle and the role of virtual girlfriend.

B. Diminishing critical thinking and problem solving abilities

- i- AI: a repeat of calculator

C. Eroding the need for human labour

- i- Guardian's prediction

D. Fuelling the menace of gender inequality

- i- Female's low digital literacy
- ii- Small number of females in STEMs fields.

E. Mounting fear regarding human's lack of control on AI

- i- The case of 'Black box'

F. Receding dominance of Humans on earth due to rising AI

- i- The emergence of the beast, 'Singleton' - a prediction in the book, Superintelligence

3. Evidence on an organizational level

A. Spiking cases of cybercrime, attacks and phishing

- i- Colonial pipeline insurance company and a demand of ransom in Bitcoin

B. Engendering unauthentic information

- i- The case of 'Austrian Science Journal'

C. Growing involvement in intellectual theft

- i- New York Times legal charges on the Microsoft and Google.

IV. Some proposed steps to revert the AI back within its bounds

1. Creating an international entity to regulate the AI machines
2. Restraining countries from developing lethal AI-powered weapons
3. Establishing a code of conduct for AI manufacturers to ensure ethical and responsible machine manufacturing
4. Developing strong firewall systems to prevent cyber crimes and attacks.

V. Conclusion

Though created for to become a catalyst for ending troubles and sufferings of humans, AI has rather emerged as a menace. It is not only giving birth to serious challenges but also raising unavoidable concerns regarding the future of mankind.

The famous proverb, 'out of the frying pan into the fire' holds perfectly true for humans. In 18th century, they created the technology that brought about the industrial revolution. Though it has provided enormous dividends, it has also engendered various hazards including climate change and economic inequalities. The human's war against these challenges has not yet wrapped up that the more advanced version of the technology called 'AI' has been born to add more to their fury. This technology is manifold more dangerous. It has already induced significant troubles to not only countries but also individuals. Its rise has led to the world to become more polarised and inequitable. Besides, it is pitting countries against each other, fuelling in them uncontrolled hostilities. More particularly, it is playing a lethal role in warfare and bloodshed of innocent souls. Unfortunately, AI's downsides are not confined to countries only, it is equally traumatizing individuals as well. Humans are becoming lazy and unhealthy due to AI, especially their capabilities and abilities are becoming obsolete and rustic. Likewise, as more companies are embracing AI, it is leading to erosion in the need for the

human capital in business world. More agonizing is its role in fuelling the menace of gender inequality and stitching coercive and exploitative relations with humans. The irony is that it is also becoming a threat for the very businesses that have incubated it, especially by begetting intellectual theft and raising the cases of cybercrime and phishing. In the similar way as the global community has achieved some respite in the climate crisis, it is also necessary to pay equal heed to this scourge of AI by taking steps including forming a regulatory body and developing insurmountable code of conduct for the businesses linked with the development and deployment of the AI, more particularly for the users. In fact, the AI has committed excesses and is still doing so, which warrant immediate and substantive actions to restrain this threat. And to bring it back within its bounds.

Before digging deeper to bring out the transgressions being committed by the AI technology, it is very necessary to understand what basically it is and how it works. As described by the University of Chicago, AI works by emulating human intelligence through the use algorithms, data and computational power. AI is actually a machine that is

fed with data, and on the basis of that data it works. This technology hasn't yet completely developed. In view of many experts in the AI field, it is still in its infancy, meaning that it is bound to further grow over time. As far as how it works, basically there are five steps for that. At first comes the input part, where it is given a set of data, that is in simpler words, instructions. The given data is processed in order to produce desired outcomes. Based on the outcome, the last two steps are taken that are adjustment and assessment. These four steps form the basis for the AI's functionality. Though this technology is in its embryonic stage, it has already sent across a wave of pervasive fears, based on its several negatives.

The advancing AI technology is unleashing a good number of challenges for countries. It is, first and foremost, spiking and exacerbating the global inequality. It is a very apparent fact that the world is starkly imbalanced in terms of wealth, resources, power, hegemony, and more specifically technology. Poor nations are usually dependent on the affluent nations for not only monetary needs but also technology. It is because the developed world is not only economically developed but technologically as well. At

present, all the giant companies that are either manufacturing new AI models or developing large data storages are natives of the developed world. This domination of the wealthy countries is leading to an increase in dependence of poor world on the rich world; thus, making the prevailing inequality among nations on the global level more profound.

Bitterness and hostility among countries is surging owing to the growing use of unregulated AI. The advanced AI-powered tools have enabled individuals and countries to forge fake content, information and replicas. These are produced by the AI in such a manner that there is usually no possibility to ensure their veracity. Moreover, AI has reached such a level of advancement that it is impossible to discover the source of misinformation and disinformation. This process is driving a wedge among countries. For example, Pakistan's government has time and again, brought up the issue that there are a large number of social media accounts that are actively propagating hateful content against Pakistan, which is largely produced through AI. Even the report by the World Economic Forum has admonished both the neighbours that AI's produced content is a mutual challenge for the two countries. It indeed hints at the growing misuse of AI that is leading

to further fissures among nations.

The AI technology is not only fuelling rifts among countries, it is also involved in the warfare and bloodshed. The rise of AI technology has brought unimaginable advancement in modern weapons and arms, transforming them into extremely lethal and ruthless tools. Moreover, this technology has improved the military capabilities of countries. There are various modern tools that require no human intervention, more specifically drones for espionage and conducting targeted operations with absolute precision. Above all, AI-powered data storage systems have brought individuals' data just a click away, helping countries to easily set targets and carry out drone attacks. The recent report by the +872 magazine has made a big revelation regarding the ongoing war between Palestine and Israel. It has unveiled that Israel's military departments are using AI-powered data storage systems that are helping it to commit genocide by providing real-time data. These advanced weapons and other tools which are based on the capabilities of AI are also preserving the dominance of hegemonic states by sowing fear in fragile nations.

The lust for power is generally unquenchable. The powerful nations are banking on the ever-improving AI technology to keep their hegemonic stature intact.

Unfortunately, the world has always remained segregated on the basis of power. Some countries have been poor, thereby reliant and subordinate, while the others, affluent. The latter countries always try to maintain their status. For this purpose, they explore and resort to every possible action, even if waging a full-fledged war. In the present times, AI has emerged as their protractor. This technology is not only helping them to tighten their hold on the world, but also subjugating fragile nations. It is not uncommon that the power in today's world originates from the 'data'. These rich countries have developed strong AI systems, which are helping them not only conduct the surveillance like the '1984's dystopian society', but also compile data, which is priceless. Moreover, poor nations lack the capability and capacity to produce advanced AI models, which is resulting in their further dependence on the 'powerfuls'. Thus, AI's rise is solidifying and cementing the hegemony of the affluent nations on the world, which is inherently sinister for the sustainable future of humanity.

Indeed, AI is wreaking havoc at the countries level, but its implications are not confined to the nations only, individuals are also bearing the brunt. The AI-powered chatbots are becoming a commonplace for people, especially to kill their loneliness and boredom. Unfortunately, these chatbots are

becoming toxic and sinister for the humans. Their capability, which has improved manifold, to develop addictive and manipulative relationships has rung serious alarms. These AI chatbots are not restraining individuals from taking missteps, rather are prompting them to indulge in mischievous schemes. For instance, A 21-year-old Belgian man intruded into the Windsor castle in UK to kill the queen back in 2021. During the investigation, the person revealed rather a shocking truth. He said he was encouraged to do so by his virtual girlfriend called 'Sarah'. This indeed sheds the light on the new reality that the advanced AI has become a threat to humanity, crossing its justified bounds.

Humans have the edge over every other creature because of their being endowed with the ability of thinking and wisdom. Unfortunately, the advanced AI has denied them this ability. Humans are becoming more and more used to and dependent on the AI technology. This is resulting in the impediment of humans' ability of thinking and development of critical skills. Students are relying on this technology for their educational tasks, which is marring their ability and hindering growth of critical, analytical and technical skills in them. Teachers and scholars are also exploiting this technology in their different nature of

of works. They are not putting in efforts to research topics and prepare lectures by their own exploration and reading, they are mostly taking ready-made content from different AI educational tools. As the invention of calculator significantly diminished humans' mental capability to do basic mathematics, the advanced AI tools are clouding their ability of critical thinking and problem solving. This phenomenon is further inducing a serious problem for humans, that is receding need for human labour.

Why would organizations hire humans as workers if they can have better substitutes at a lot cheaper cost? The AI-powered tools have not only provided efficiency and increased productivity for businesses but also reduced their need for human labourers. Modern robots have brought almost perfection into the business world, achieving accuracy and operational efficiency. The tasks done by the AI-robots are insulated from errors and defects. Moreover, humans own reliance on the AI technology is impairing their unique abilities such as problem-solving and critical thinking. This situation is resulting in the erosion of humans' need as labourers to the businesses, as ~~per~~ the Guardian has predicted that 60-85% humans will be replaced by AI robots by 2035 (unconfirmed). This underscores the fact that the rising AI technology

is going to bring about horrendous times ahead for human beings, especially by eroding their need as labourers or workforce for the businesses.

Another undeniable factor that proves that the advanced-AI has gone loose is its undesired contribution in widening the pervasive gap in genders. The world has already ~~trying~~ been endeavouring to find a nostrum that would rid it of the prevailing affliction — gender inequality, that another enabler in the form of AI has popped up to further deepen the ailment. Mostly, females are in smaller number in the Science, Technology, Engineering and Mathematics (STEM) fields. The development and use of advanced AI models need strong know-how in the said fields, which is absent in case of females. Moreover, females are relatively in possession of lesser digital literacy. As a result of these, females' role in AI's advances and uses is negligible, which is giving an upperhand to male segment, thereby making the existing gender inequality more deep rooted, and faring.

The truth that rising AI is ^{reducing} 'humans' control over it is an irrefutable fact that ~~strongly~~ validates the notion that it has surpassed its bounds. AI mostly functions in an unknown way, which has led many to term it as a 'Black Box'. Humans

usually give instructions to AI tools but they are not familiar what processes go on inside the machine. Everything is on the data, & slight negligence can wreak irrecoverable damages. An economist has recently made a beautiful argument regarding this uncertain way of AI's operating and weaker control of humans over it. He said that what if the AI started killing humans if it was tasked with reducing poverty? As the AI is further advancing, it is leading to waning of humans' control. New models are being developed that are completely automated, requiring no human's intervention. This receding control of humans coupled with the machine's unknown way of functioning is heralding the impending troubles for humans in future.

Furthermore, the dominance of humans on the earth has started receding due to the invasive AI. This technology has already made inroads for itself in almost every walk of human life. AI tools are being employed in the meteorological departments, which are making near-to-perfect forecasts. Similarly, AI-powered advisors have replaced humans in the finance domain. Radiologists are no longer relevant as the new deep learning language models (LLMs) have occupied their seats, making them redundant. The AI technology

achieved such level of precision that human eye may miss to detect any tiny irregularity in a medical x-rays, CT scans, or radio images, but this technology will not. Many countries have replaced their human spokespersons with the AI-powered robots. Similarly, the anchors and actors are being substituted by the AI-empowered robots. These transformations and transitions are reflective of the fact that humans, as a dominating lifeform on the earth, are being overtaken by the advancing AI technology. Is the age of machine nearing at a meteoric pace? A clue is sufficient for a wise.

The irony is that businesses, especially those which are hot-headed in developing the advanced AI systems are not at the radar of this menace. There has been seen a great rise in the cases of cybercrime attacks and phishing, largely induced by the AI tools. The rise of this technology has widened the abilities of cybercriminals manifold. The advanced models of AI allows the crooked individuals to detect gaps and vulnerabilities early in computer systems, thereby stealing the sensitive information for ransom purposes or transferring funds to their systems. Recently, an attack influenced by the AI surfaced when the US company named Colonial Pipeline Insurance was attacked by cyber criminals who

stole very sensitive information from its systems and demanded ransom in bitcoins. This case is merely a tip of the iceberg. There is now an increased risk of cyberattacks to businesses that is emanating from the improving and advancing AI technology.

Moreover, the content-generating AI tools have raised questions over their ability to produce reliable and authentic content. AI technology has made generating content of any nature extremely easy, which is the reason why it is being widely used by not only educationists, students, but also magazines and journals. However, this content that is produced by the AI is not entirely trustworthy and must be taken by a pinch of salt. A good example of this is the Australian Science Journal which has drawn wider ire and criticism for publishing an article that was produced by the AI-powered content-generating tool. The article titled what happens after we die explained that the process autolysis starts that it described wrong as self-breaking cells, but it is a process in which cells are destroyed by their enzymes. Basically, AI doesn't have an inherent ability to create content that usually leads it to ever give out content produced by others which can be wrong, too.

This inability of the AI-powered content generating tools has risen the scourge of intellectual theft. As the AI lacks the

to think like humans or produce content by creating itself, the tool is involved in the intellectual theft. What basically AI-powered tools such as Bard and ChatGPT do is that they steal the content created by others and paraphrase it in a very clever ^{way} that detecting plagiarism is usually far-fetched. This practice is a grave infringement of the individuals' rights. Above all, it is very unethical to pilfer the work of others. It is because of these reasons the New York Times has sued the Microsoft and Google. The newspaper has taken the stance that these companies have used its content in the experimentation and reserves of data of the AI technology without its permission. Hence, the AI is also encouraging and committing the unethical act of intellectual theft.

Given the large number of perils that are being brought about by the AI, can this predator be left loose? Of course, not! It must be menaced; it must be restrained and brought back within its warranted limit. For doing so, a few proposed measures are indispensably required.

First and foremost, it is essential to create an international entity to regulate the AI machines. The regulatory body must be mandated with overseeing the use of

AI systems. In the same way as there are organizations in different domains working to prevent fraudulent activities, misuse, or other crimes like the FATF, a regulatory body be established on the lines. It should not only mete out punishment to those who flout its laws regarding AI but also develop inviolable SOPs for the use of the AI. In this way, many hazards stemming from the AI can be minimized.

Moreover, the international community should unite to restrain countries from pursuing development of lethal AI-powered weapons or other modern warfare tools. The birth of more and more advanced and self-operating warheads are pushing the world to its extinction. Humans are inadvertently giving the strings in the hands of machines, while themselves becoming their puppets. With an end or decrease in the development of extremely lethal digital weapons, the destruction that is caused AI-powered weapons can be warded, thereby building a fearless future for the humanity.

Similarly, it is equally important to devise a stringent code of conduct for the manufacturers of the AI tools. Businesses usually ignore the risks associated with their products in the avarice of profit. Same is happening with the businesses dealing with the AI technology. They are producing many such as tools which are engendering negatives

for the humans, countries and businesses themselves as well. A strong code of conduct should be formulated to ensure ethical and responsible machine manufacturing. This will result in development of tools that are rather a boon not a bane.

Last but not least, there is a dire need to develop strong fire wall systems to prevent cybercrimes and phishing. These systems will save the individuals and organizations from falling prey to the cybercriminals by timely detecting the attacks and overcoming the potential vulnerabilities. In this way, the iron can be cut by the iron, as fire wall systems will also be developed incorporating the advanced AI tools. Thus, the menace of cybercrimes and attacks that are being conducted through the AI-powered systems can be put to its permanent.

In a nutshell, AI has emerged as a potential bane for the global community. It has already committed a plethora of excessives that are portending that if this technology achieves its best mode that is 'General Artificial Intelligence', it will plunge the world in a long conundrum. Countries, businesses and even individuals are already bearing its painful wounds. The AI machines have deepened the long-standing issue of resources inequality. Moreover, it has started to exacerbate the

the prevailing hostilities among nations. Similarly, individuals are also reeling in the repercussions of the AI technology. AI-powered chatbots are proving extremely concerning and exploitative. They are able to strike manipulative relationships with humans. Besides, the growing dependence of the individuals on the AI-based tools is hampering their ability to think critically and analyse things meticulously. Especially, it has led to a decline in the human's ability of problem solving. The more drastic damage of the AI on humans, however, is erosion of their need as a workforce in the business world. Though the grotesque truth is that the AI is also wreaking significant blows to the businesses as well. Its rising involvement in the intellectual theft have seen many organizations getting sued in courts. Moreover, there is a serious side in the cases of cybercrime and phishing, which are mostly aimed at top companies. These adverse fallouts of the AI warrants immediate awakening of the world to bring this menace within its safer bounds. If left ignored, will the humanity not suffer the same dreadful fate that has been materialized by the scourge of climate change?