

Mahnoor Mirwani
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Essay Artificial Intelligence Has Overstepped its Bounds

Outline

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- Harari

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"It is difficult to say!" - A Tiny Baby
- Yuval Noah Harari

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"A computer would deserve to be called intelligent if it could deceive a human into believing that it was human," said Alan Turing. Today, numerous computer systems simulate human actions and thoughts, yet ^{they} remain subservient to humans for they rely on human instructions no matter how advanced the systems are made. Nonetheless, Artificial Intelligence has revolutionized the world without overstepping the prescribed premises. The argument that Artificial Intelligence has overstepped ~~has overstepped~~ its bounds is futile because the bounds, whether extended or limited, are set by humans. It is in the hands of humans to decide whether their creation transcends the boundaries or not. If one looks at the performance of Artificial Intelligence, it has only worked for the better of mankind. From aiding the physically challenged, climate monitoring and expanding human creativity to upgrading governance and national security, Artificial Intelligence has only benefited the world, that too within bounds. Despite the obvious

advantages that AI has brought to humanity, certain schools contend that AI has overstepped its bounds and has begun towards to harm the world. The detrimental impacts they believe are the unethical use of AI in education, and wars, and its role in unemployment. However, these are all either misinterpretation or implications that can be checked and even reversed. Thus, Artificial Intelligence has not overstepped its bounds. It is merely a tool simulating human intelligence under the instructions of humans. In fact, AI, like any other technology, has transformed the world for the better.

Artificial Intelligence can simply be defined as the simulation of human intelligence by computer systems. Computer systems include all those machines with an ability to calculate, interpret, and conclude data and present it in the form of usable information. Elon Musk defines AI as "machines acting, thinking and talking like humans." It is thus the imitations of human rationality

by computer-based machines. Categorically, Artificial Intelligence can be divided into weak, general and super Artificial intelligence. Weak Artificial Intelligence systems are the ones that demonstrate limited intelligence. An example of weak AI is the Siri. General AI is a more advanced form where humans are copied at maximum by systems such as machines such as robot. Super AI, which is a speculative and futuristic version, is one that shall surpass human intelligence and this may, if ever created, can possibly be an example of technological overreach.

Artificial Intelligence has not overstepped its bounds. This is because the intelligence, as the name implies, is artificial. The system is made by humans and therefore, whether it crosses the bounds or not or has any limitations for that matter, is solely dependent on humans. The system operates under human instructions and only comply to the

directions of the system developer.

How can a machine or a system overstep its bounds when its every action is at the mercy of humans? An example of this exists in the movie

WALL-E where the world has been overtaken by machines with humans

at the mercy of man-made systems.

Such destruction, if ever occurs, would be in the hands of humans. AI itself can never do besides what it is intended for. Any discrepancy is due to limitations of human reason and not overreach of a human-made system.

As a matter of fact, Artificial Intelligence has been very essential for humans and the world. It has, within its bounds, benefitted the mankind. Imagine a world without Stephen Hawking. Would science ever reach where it has reached without him? How would the world have been enlightened with the knowledge imparted by Stephen Hawking had there been no speech assistant for him?

Similarly, AI has been utilized in various domains of human life, aiding those in particular who are physically challenged. Siri, an example of weak AI, has aided and continues to aid the visually impaired. Through speech command, the Apple systems respond and work upon their instructions. Artificial Intelligence, has therefore, worked only for the good of the world.

One of the phenomenal contributions of AI is climate monitoring. The world today is at a climate risk. With frequent changes in climate patterns, heavy losses have been often inflicted where unprecedented climate hazards have caused hazards in many regions around the world. Flood has remained a perpetual threat and has washed off developed and developing countries alike. Artificial Intelligence, with its specialty of recognizing patterns, have devised solutions and provided pre-flood warnings. For instance, it was due to use of AI so that the 2023

Australian floods were predicted. Similarly, it is being utilized in various other regions for hazard mapping.

In the same vein, the automation of machines has provided humans with additional time to be invested in other productive tasks. A common maxim goes by "time is money." And another says that money has driven mankind for the longest period. So, this drive of mankind, which has led to all the technological advancements of the world, is achieved with the use of automated machines. What took days for people to do are performed within a matter of minutes by the machines. Similarly, industries, agriculture, markets and businesses have boomed due to the ease created by machines. The provision of extra time ~~due~~ by Artificial Intelligence is a manifestation of the positive ^{use} of the system.

Additionally, Artificial Intelligence has expanded human knowledge and creativity. The human of today is much more advanced than it was before the advent of AI. In this context, Yuval Noah Harari writes that Artificial Intelligence could write a new Bible and therefore create a novel religion. This extension of human knowledge is a progressive initiative. The domains of human understanding and reasons are being stretched with the inventions of humans themselves. Moreover, the creation of AI tools like DALL-E have only benefited mankind. This Artificial Intelligence software uses instructions of natural language and transforms them into art and writings. In this manner, AI has ~~expan~~ stretched human capabilities without any potential threat.

Building on this, AI has upgraded governance through increased accountability. This accountability is the result of increasing surveillance and monitoring.

of political and administrative officials. Red tapism is a common ailment in many states, particularly the developing ones. Similarly, absenteeism is a challenge to the growth and development of any government structure. The introduction of biometric attendance at the time of arrival in and departure from the office ensures that absenteeism is checked. Artificial Intelligence, in this way, has kept a balance in the political domain.

Despite the obvious positive performance of Artificial Intelligence, few schools of thoughts contend that AI has overstepped its bounds. A segment of people believes that AI has been used unethically in the academic circles. A report by Purdue University revealed that as much as 40 per cent of published research papers were of substandard nature. This is due to lack of true understanding and overreliance on AI tools. Similarly, many students underperform through plagiarised assignments.

given the easy access to AI-generated materials. Such overreliance on and unethical use of Artificial Intelligence, they suggest is where the intelligence overstepping its bounds is manifested.

Another misuse of AI, or even abuse of it as they say, is the system making its way to wars. Artificial Intelligence, in recent times, has been used in wars. Now about the use of Lavender, a human localizing system, has by Israel against Palestinians have surpassed in recent times. This AI tool, which detects the exact localities of those intended to be targeted have been misused to target civilians and Hamas fighters indiscriminately. Similarly, the walkie-talkie blasts of the Lebanese Hezbollah fighters was also an example of overuse and therefore abuse of Artificial Intelligence. This similar allegations have been made on Russian government by the West -

Besides the abuse of AI, voices put forth that increasing involvement of AI in human life have had resulted into unemployment. Their argument is augmented by a McKinsey report which presented that by 2025, 85 million people would lose their jobs due to AI replacement.

Similar findings by United Nations further aggravates these concerns. Since the global commodity supercycle due to the Russo-Ukrainian war has plunged many states into inflation and left many unemployed. In such a scenario, loss of jobs due to a technology aimed at human aid is contentious.

Given that the concerns of these schools are not invalid, they still can be checked even reversed only by Artificial Intelligence alone. Finally, As for the unethical use of Artificial Intelligence is concerned, the unethical unethical practices of AI exist everywhere. However, checks and

balances keep them within their bounds. Even, say, AI has crossed its bounds, which it has not, it can be reverted back to the intended premise. For the substandard practices in academics, they can be checked through AI detecting tools. Students with plagiarized works can be admonished academically as it has been in practice long before AI existed.

About wars, they are as old as human history. From the stories of Peloponnesian wars to the horrors of Hamas-Israel wars they have made their way along with human existence throughout all epochs. Wars were waged before AI, they continue to do so after it. Take, for example, the Second World War. It had caused a ~~casualty~~ casualty of more than 24 million. That was a war fought way before AI, even before Alan Turing calling machines intelligent.

Nonetheless, those abusing AI must be brought before the court and held answerable for their actions. As for the use of AI in wars in conditions concerned, the problem lies with human irrationality and not computer overreach.

Finally, those who postulate that AI has led to unemployment should also realize that the system generates much more jobs than it takes. The same McKinsey report presented that AI-induced jobs would amount to 97 million new jobs by 2025. Thus, the 85 million unemployed would be ~~employed~~ replaced by 97 million employed. The world is transforming towards ^{into} a technological advanced epoch. ~~But~~ In this manner, global populace must keep the pace up in catching up with changing trends. The world ~~must~~ ^{should} be ready with the changes that AI-man's own creation is about to induce.

With all state, a debate still persists: will Artificially Intelligence ever transcend its bounds? The answer to this says Yuval Noah Harari is not so simple. Artificial Intelligence is only a few years old, as he terms it, is a "Tiny Baby." Human Intelligence, on the other hands is million of years old. How can a creation, merely few years old compete with its creator of million years. Nonetheless, with the proposed thesis of Super Intelligence, Artificial Intelligence, may still, who knows, may make its way above human and beyond its bounds. Only time will tell whether or not the system will overstep its bounds.

To conclude, Artificial Intelligence has come a long way to where it is today. It has transformed the world in many ways and revolutionized the lifestyle of human beings. However, it has done so within its prescribed bounds. AI

has been of significant aid in the social, economic and political spheres of human populace. Although few believe that Artificial Intelligence has overstepped its bounds through by impairing humans intellectually and morally, ~~it~~ These are, however, the doing of humans themselves, not the human-made Artificial Intelligence. As time passes, the possibility of AI surpassing human intelligence may occur. Nonetheless, it is unlikely in the near future. Artificial Intelligence has, therefore, gone to great extents, all ^{as} directed by humans and all within the boundaries of set by its natural master.