# Essay:
## AI has overstepped its bounds

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It was a big moment in our history when a machine triumphed over a Grandmaster Gary kaspasov in chess match in 1997. The Pivotal event is considered a catalyst in the genesis of Artificial Intelligence (AI). Artificial Intelligence, once a futuristic concept, is now a part of our daily life bringing efficiency and reducing human efforts, but raising concerns of unintended consequences, posing threats and prompting the need of a balanced and responsible use of AI. AI has infiltrated almost all the fields of life and is replacing humans with a rapid pace. It has certainly overstepped its boundaries by displacing human jobs, raising ethical, legal, security, terrorism, and privacy concerns. Due to its unchecked growth and excessive manufacturing of humanoid robots it is posing an existential threat to life. In words of Stephen Hawkings, "AI is either the best thing or the worst thing ever happened to humanity.", and eventhough, AI has improved the quality of human lives, but its biased nature and unchecked growth has raised serious concerns for humans in all fields of life.

Firstly, we should understand the concept of Artificial Intelligence. AI is an umbrella term for a group of technologies that has a capability of mimicing human intelligence. AI has improved machine and human communication. AI can be rightly called as a technological game changer as it has gained influence in almost every aspect of human life in a short span. Currently, there are 4 types of AI, which are Reactive AI, Limited memory AI, Theory of mind AI and Self aware AI. The initial two types has brought ease and effectiveness for humans, whereas the latter two has raised questions. The example of reactive AI is computer chess games where computer can play and move in a coordinating manner. The Limited memory AI has power to learn from past experiance and make decision such as in autonomot cars. The third type of AI, Theory of

mind AI, can make people believe that they are talking to human. The examples are Chatbots. The fifth and last type is self aware AI, which is aware of it's own ourstence. It is still friction but considering the rapid growth, it would not be wrong to say that in near future we'll have self aware robots. The advancement has put AI in every field of life. From schools to offices and from communication to transportation, AI is being used in every field.

Now, let us discuss, how AI has overstepped its bound and is a reason of grave ethical concerns for humans. As AI is a machine and it functions on the information provided to it. AI is incapable of understanding human feelings and emotions and therefore the decisions of AI can cause damage to lives and property of human beings. The CEO of Google Sundar Pichai has rightly said, "AI development needs involvement of philosophers and ethist." Currently, no such thing is in practice and therefore it is a matter of serious concern for everyone that how will the decisions of emotionless machine leads to human progress. AI is being used in almost every field and its impact on the field raises concern that whether it will be used ethically or not. One such example is that AI will create a strong virus when asked because it is incapable of understanding the consequences of its creation. The scientist are working on it and we have somehow stopped AI from creating harmful things but the ethical concerns go far beyond.

The history is full of events, where men are waging wars and are willing to go to any extent to win it. The genesis of AI in military technology has made a mass killing of human possible. The increase in efficiency and accuracy of military technology, it is now possible to target humans on a large scale. The use of Gospel, an Israeli AI software is a decent

example of how AI can kill more humans easily. Even the developing countries are not far behind in equipping their armies with AI technologies. Countries are spending huge sum of money in digitalizing their armies, which has augmented the security risks. Now, the modern warfare in which nuclear bombs automatic reactions are based on AI based softwares, which increase the risk of a nuclear escalation and can lead to a catastrophic end. AI has overstepped its boundary in military sector and it is posing threat to humans all across the globe.

Moreover, AI has equipped terrorist organizations and it has now become possible to spread terror all over the world with ease. AI is incapable of distinguishing between misinformation and is a source of spreading that mal content. AI has given easy access to information to everyone. The hackers understand this deep hole and use it to hack banks, and rob people. The globalized world has made travel easy and with ease of transportation and communication, now the terrorist can work on their hidden agendas easily and due to the incapability of distinguishing between good and evil, AI is being used by notorious people to achieve their mischievous purposes. The recent increase of hacking and terrorism, proves the point that AI has overstepped its bound and is causing harm to human civilization.

In addition to this, AI is the reason of job displacement and is causing unemployment. As per the Vice President of Fosteb, Huabb Smith, AI is likely to wipe out 29% of all jobs only in United States of America. The World Economic Forum in this regard stated that an

estimated 75 million people will be displaced all over the world due to the Artificial Intelligence. Though, AI will automate many mundane functions and save human time and effort, but at the cost of human employment. The overstepping of boundaries by AI has cost millions of humans their jobs. This will lead to crimes and depressions. The unchecked and rapid growth has given birth to this problem and if not properly called, the unemployment will give rise to disruption in all human activities and many humans will not be able to even earn bread and butter for their families.

Moreover, the use of AI in education has adverse effects on our society. The easily accessible Chat GPT has made student plagiarize their assignments without giving a single thought. I mean who will stop teachers from making lesson plans and papers with the help of AI without adding their inputs. It will not only effect the academic performance of students but it will have a lasting effect on our society and future of the world. The creativity is loosing its value. Researchers are working to devise a method to differen-trate between original work and GPT made works. The main purpose of education is not filling of vessels what Chat GPT do but it is of kindling a flame. No teacher can invoke sense of responsibility and creativity in students using AI tools. AI has deeply affected our education system and it is another example of how AI has overstepped its bounds.

Additionally, AI is being used in judicial system around the world. China is using AI for legal research. Canada uses it to draft legal documents and in USA, AI is being used to help the judges in their judgement. Even in Pakistan it was seen that in Mandi Bahaudin, Justice Munir uses AI

in a bail case. As AI is bias and incapable of human emotions, its use in judiciary can cause catastrophic events as the life and death of a person is on stake. AI can give certain direction in a legal proceeding and can be helpful in research, but depending totally on the interpretation of AI can prove devastating. Daniel Coeviel in his book AI: The tumultous history of search of Artificial Intelligence argues the same point and is also of opinion that AI can supersede human and it has overstepped its boundaries especially in legal sector.

Subsequently, humanoid robots are in great demand. The Robot restaurants and robot waiters are common in developed countries. The EMOBOT in health sector is also a new innovation. Sophia was the first humanoid robot in the history of mankind which leads to the creation of Amica another robot. Though, these robots were made to make life easier they have now posed a threat to life on its use. Sophia has been heard saying on many occassions that she will destroy human. Till now the world has not reached the fifth state of AI which is self aware AI but the day is not far when we will be in danger from our own creation. The advancement in technology due to AI has made human vulnerable. AI has certainly overstepped its bounds in technological sector and now we destroy our environment for alternative energy which is required to run these robots.

Inspite of the fact that, AI has made human life easier by analyzing large chunks of data effectively but it has also breached human privacy. Now our every action is being monitored and it can be misused. The social and political biases could be created on the basis of this breach. It is commonly

observed that while thinking of buying a certain product triggers the companies like Amazon and they sent us relative links for these products. It is though advertisement but it can be used to spread opinion and biasness as well. The availability of data can be misused and a recent example of it is loan application. These application access your personal data and than blackmails the individuals which has caused people to attempt suicide. In this regard AI has overstepped its bounds. Plus, there is no accountability mechanism to hold culprit in law, which has made us more vulnerable to the adverse effects of AI.

Artificial Intelligence has made human life easier but on th at the same time more vulnerable. The comforts of AI has made human lazy. The automatic cabs, easy available devices for every basic chore has given comfort. People sit most of their time. Be it in cab, office or even at home. Physical activity is next to none in daily lives. It has caused several health problems. Obesity is one of them. The extravagant time is spent on TV and mobile and the blue light of screen is shortning the memory span of human and many people face trouble sleepings. This is how AI has deteriorated human health and has overstepped its bounds.

In addition to this, AI is causing an existential crisis in human life. The ease of communication online has decreased the human contact. People feel disconnected and it creates a void in their life. Depression is common is 21st century. The highly equipped modernized world is creating questions such as

so on. Youth see the lavish and fake lives of their counterparts on social media and consider it a real world. They see what other exaggerate online and it gives them sense of interiority. The inferiority complex and lack of human contact is effecting mental health and this is how AI is posing an existential threat to life.

However, the global think tanks are trying to curb the adversities of AI. The meeting of 7 biggest AI companies with the President Joe Biden is a land mark in this regard. The CEOs of the companies voluntarily guaranteed that they will ensure a responsible use of AI. They have even agreed to add a watermark "Chat GPT generated" on every content created by Chat GPT. This would be a useful step in saving our educational system by stopping plagiarism and academic dishonesty. The meeting was a right step and it should encourage all the nations to make AI relevant policies to ensure safe use of AI. This is how we can put an embargo on AI to limit its overstepping.

Additionally, in late 2023, the 1st ever AI safety summit was held in Britian. 28 countries participated in it and the next one will be held in France this year. The AI safety summit itself is a sign that there is something we need safety from. The world has realized that AI has overstepped its bounds. Though it is a delayed step, it can set a roadmap for upcoming innovations and proper international regulatory framework for AI product will be launched. One can only hope that this platform will continue to work. without considering political rivalries. The world needs to understand the seriousness of overstepping of AI and a holistic framework is the need of the hour.

Moreover, the government of Pakistan has also developed a research centre for monitoring AI development under ministry of Information Technology and communication. The Presidential Initiative for Artificial Intelligence and computing (PIAIC) is also a good initiative. It shows government interest and willingness to follow the course of AI. However, it is currently focusing on education sector. The government of Pakistan needs to focus on AI development as unchecked AI tool will impact our economy and overall society. Pakistan is already facing unemployment and AI will worsen the condition of jobs if not dealt with.

In the same regard, the global community has to join hands with each other and devise a regulatory policy to ensure safe use of AI. AI is a tool and like other tools, it works on the way it is used. The masses should be sensitize on the proper use of AI. We have to start upgrading our skills and it is the time to move from traditional skill towards modern AI now. As a famous aphorism goes "Failing to plan is planning to fail" and we can not afford to fail as the future of humanity depends on it. All the nations should pass legislation as per their need to ensure that there is no more overstepping of AI apart from what it is made for. Only with the informed use of AI can help us in progress and prosperity.

To conclude, I would like to say that AI has overstepped its bound in every sphere of life. It has infiltrated all fields and without safe and informed decision, AI can prove to be a devastating tool. As the miracle of AI knew no bounds so will its bad impact.

By understanding how AI has overstepped it's bounds and in which fields, its impacts are palpable, we can minimize the negative effects of AI. It is in our hand what we want Sophia to be; a saviour or a destroyer. The decisions which we take today will take humanity to new heights. From reactive AI, playing chess till now, we have seen many shift and AI has impacted human lives in both good and bad manners. What happens to us in the future solely best on the fact what we do with AI today. Lets gather and ensure safe use of AI before it is too late.