

ARTIFICIAL INTELLIGENCE: REVOLUTION OR FUTURE THREAT

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ABSTRACT

As we all know the latest hot topic all over the world is artificial intelligence (AI). And why shouldn't it be?? As AI has a wide range of applications across various industries including, finance, transportation, healthcare, and human resources. In healthcare, AI can be used for diagnosis and treatment recommendations, patient engagement and adherence, and administrative activities. In finance, AI can help personalize services and products, create opportunities, manage risk and fraud, enable transparency and compliance, and automate operations and reduce costs. In transportation, AI can be used for self-driving vehicles, traffic detection, and pedestrian detection. In human resources, AI can screen resumes, rank candidates based on their qualifications, predict candidate success in given roles, and automate repetitive communication tasks via chatbots. AI can also be used for real-time code completion, chat, and automated test generation. The potential applications of AI are vast and varied, and the technology is expected to continue to revolutionize many industries in the future.

Introduction

The potential loss of jobs due to AI is a concern that has been widely discussed in this paper. AI automation could lead to job losses, and researchers note that the technology could eliminate millions of jobs. In May 2023, AI contributed to nearly 4,000 job losses in the US alone, according to data from Challenger, Gray & Christmas. However, some experts suggest that AI could also create new jobs and enhance existing ones. The impact of AI on the labor market is likely to be significant, but most jobs and industries are only partially exposed to automation and are thus more likely to be complemented rather than substituted by AI. While workplaces may shift, widespread adoption of AI could ultimately increase labor productivity and boost global GDP by 7% annually over a 10-year period. It is important to note that the impact of AI on jobs is still uncertain, and it is essential to engage in conversations about AI's legal, ethical, and societal implications. In this study we investigate the possible future outcomes of AI based on the present scenario of it and rapid growth of it in recent times.

Artificial Intelligence (AI) is a rapidly growing field that has the potential to revolutionize many aspects of society. However, as AI becomes more integrated into everyday life and the workplace, it also presents new hazards and threats to humanity.

In this research paper, we will examine the potential dangers of AI and its impact on society. We will explore the

following topics:

1. Job Loss AI can take over several manual jobs in various industries and in fact it is doing so, which can lead to catastrophe job loss. According to a report by Goldman Sachs, 300 million jobs could be lost or diminished by AI. By 2030, 11.8 million Indians could lose their jobs to AI automation [source:TOI] .

According to various reports, AI has already caused job losses in India and all over the world. A Microsoft report revealed that 74% of Indian workers fear losing their jobs to AI. A survey by Ipsos Global Advisor found that 51% of Indians fear job loss due to AI. The impact of AI on employment is expected to be significant, with projections that AI could potentially replace around 800 million jobs worldwide by 2030. McKinsey has suggested that AI generative tools like ChatGPT can cause job losses and disruption for some knowledge based workers such as software developers and marketers. Stability AI CEO Emad Mostaque believes that AI will wipe off jobs of most of the outsourced programmers in India in the next two years.

2. Threats to Human Autonomy and Agency

Networked AI can amplify human effectiveness but personalize individual's choice environments, to paternalistically nudge, deceive, and even manipulate behavior in unprecedented manners. AI has undoubtedly brought transformative advancements to various aspects of human life, but it also raises significant concerns regarding threats to human autonomy and agency. These concerns are not limited to any specific region and have global implications. In India and around the world, several key threats to human autonomy and agency due to AI have emerged.

One prominent concern is the potential loss of employment opportunities. In India, a country with a significant IT industry, the adoption of AI and automation technologies poses a challenge to millions of workers who may face job displacement. According to a report by the World Economic Forum, by 2025, approximately 52% of India's working population could be at risk of job displacement due to automation. This not only affects livelihoods but also erodes the sense of personal agency when individuals feel powerless in the face of job loss.

3. Control and Manipulation of People

The rapid advancement of artificial intelligence has brought both benefits and concerns to the forefront, including the control and manipulation of people. In India and around the world, AI technologies have been used for a variety of purposes, some of which raise ethical and societal issues.

One significant concern is the potential for governments, corporations, or malicious actors to use AI to monitor and manipulate individuals. Surveillance systems, powered by AI, can track people's movements and activities on an unprecedented scale, infringing on privacy and civil liberties. Additionally, AI algorithms can be employed to spread disinformation and manipulate public opinion, posing a threat to the democratic process.

Statistics show the extent of these concerns. According to reports, India has seen a significant increase in the adoption of surveillance technologies, and there is a growing awareness of the need for data privacy and security. Globally, misinformation and deepfake videos are on the rise, with AI playing a central role in their creation. For example, a study conducted by a cybersecurity firm found a 300% increase in deepfake videos on the internet within a year.

also threaten human autonomy and agency. AI technologies are already used to dynamically To address these challenges, it is crucial for governments, businesses, and civil society to work together to establish responsible AI guidelines, robust cybersecurity measures, and legislation to protect individuals from the misuse of AI. Balancing the benefits of AI with the potential risks is a complex task that requires a collaborative effort to ensure that technology serves the best interests of society.

4. Lethal Weapon Capacity

The integration of artificial intelligence (AI) and its ever-expanding capacities has become a significant concern for people in India and around the world. AI technologies have the potential to be both transformative and, in some cases, lethal. This concern arises from the increasing use of AI in various domains, including military and security applications, where autonomous weapons systems can have devastating consequences. With the proliferation of AI-driven weaponry, the risk of unintentional or malicious misuse grows. Statistics reveal a growing adoption of AI in India and globally. India, with its burgeoning tech industry and vast population, is a prime hub for AI development and deployment. This technology has the potential to improve efficiency in various sectors, from healthcare to agriculture. However, it also raises ethical questions and fears that will it be able to control or hack into super secured and encrypted codes of missiles which are carried by most of the country's presidents and higher officials.

5. Existential Threat to Humanity

The rapid advancement of artificial intelligence (AI) has raised concerns about its potential existential threat to humanity, both in India and around the world. While AI offers immense promise in various fields, it also poses significant risks. One major concern is the development of super intelligent AI systems that could surpass human capabilities, potentially leading to catastrophic consequences if not properly controlled.

In India, as in many countries, the adoption of AI has been on the rise. According to a 2021 report by NASSCOM, the Indian IT industry association, the AI market in India was projected to reach \$7.7 billion by 2023. This growth brings both opportunities and challenges, as it requires responsible governance to ensure AI's ethical and safe use. India has made efforts to develop AI ethics guidelines, but the pace of AI advancement often outstrips regulatory efforts.

On a global scale, renowned figures in science and technology, such as Elon Musk and Stephen Hawking, have warned about the existential risks posed by AI.

Proposed Work AI is a topic of concern for everyone just like once internet was but at the same time we can't ignore the advantages of AI as we all know that if this technology is used carefully then we can do wonders with it in all aspects of life. AI is a great and a major component of web3 world too and with web3 this AI powers can be multiplied several times, which is already on verge of becoming reality. AI can also be used in block chain, mining etc.

I saw that with new technology coming in the industry the AI is getting more powerful for instance snapdragon processors use to have such limited processing speeds that they were only used in mobiles phones but the latest snapdragon gen 3 processors are so much capable that they are giving competition to intel's processor hence can be used in computers which later can improve the processing speed of AI which again at the same time can be a advantage and concern.

AI is based on machine learning that is.. it uses the data from internet and give output to the user accordingly. And its capability of using data is increasing exponentially for instance the chatbot chatgpt v3.5 was able to read 16 pages at once from internet to give the output but in the v4 Turbo it can read upto 300 pages that is 16x increment from the last version and now it even let you make your own chatbot just like ironman's Jarvis which can totally be directed toward solving one kind of problems and major reason for the possibility of this is new upgradation in technologies.

Recently one AI company (name is confidential by Chinese company) gave the order of 4000 GTX 4090 graphic cards to Chinese manufacturers that too in a inflated price which made other AI companies on high alert to get the new tech ASAP because according to expert this order was given due the increasing use of AI and AI Bots.

In my research I found that AI can be halted or might can get stopped or at least the destructions it can cause can be avoided as there are some ways which I have found by which it can be avoided.

It can be totally stopped that is **end from the root**, yes it may sound silly but as in research I have found that it just works on the foundation of information banks and in simple terms it just only reduces the

time of hassle of doing it but actually it can also be reduce by our new technologies. And AI can never beat the authenticity of a human itself hence it can never match those exact expectations of a human so why even bother to use it. So we can stop it using by ourself to avoid the consequences, it might not sound practical but it can be a way.

We can constrict the usage of AI to some limited bodies like governments, MNCs like google, microsoft, amazon, etc. As we all know that the great power comes with great responsibility and definitely AI is something which can't be given in normal human hands as they will most probably misuse it. like in some recent cases we saw that using AI deepfakes can be a huge threat to privacy.

We can set levels. These levels will decide how and how much a body can use and develop the AI. For example, only the governments or companies like space should be able to use the full highest level (full fledge versions) of AI, not the general public.

Or just opposite of that we can restrict the information banks of AI. There should always be some certain numbers of AI engines which should be allowed to access the all data available all over the world.

We can also make Anti AI or police of AI as the cyber police will never be sufficient to counter the negative effects of it. And anti AI can always act as a entity who can stop to take over the world.

And in last but not least ... we can have a kill switch. That means whenever we feel like or find that AI is taking over, we can have some instructions which can neutralize the power of AI. Even while researching for this paper, I found that the developers of some well know AI engines carry some codes in a separate device where they have some instructions to end their AI engine if something goes wrong.

Coming to AI engine's founder... many or should we say almost all of founders and tech giants have shown their concern for rise of AI. Even they demanded more strict rules and regulations from their governments if something goes wrong as this not something which they can handle single handedly. Even Mark Zukerberg and Sam Altman (CEO & founder of chatgpt) have shown concerns to their audience and government about rise and misuses of AI.

I even contacted to some tech giants and founders through linkedIn and X (twitter) about this topic and

most of their answers were very diplomatic that this is indeed a concern but it always can be minimized. So, after discussing with them I can say AI is a threat, as we don't judge anything from their positives but from negatives.

Conclusion

AI indeed is a boon but at the same time it is threat to mankind which can't be ignored. As we all know

when internet came in our life it was a whole new different world just like AI but even then, everyone was clear that internet will change our life more in a negative way than in a positive way just like which it did and in case of AI it's same so in the end it depends on us, whether we can use it or misuse it. AI even reduces the hassle and time for our work but at the same time it threatens our privacy, our leadership and most important our intelligence.

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