THE DARK SIDE OF ARTIFICIAL INTELLIGENCE: UNDERSTANDING ITS NEGATIVE IMPACTS ON HUMANITY

Sodiqov Valijon Salim o'g'li

Tashkent University of Information Technologies named after Muhammad Al-Khwarizmi, assistant

vsodiqov9620@gmail.com

Qodirov Rahimjon Rasuljon o'g'li

Tashkent University of Information Technologies named after Muhammad Al-Khwarizmi, assistant

Rahimjonqodirov1997uzbek@gmail.com

To'xtasinov Adxamjon Ilxomjon o'g'li

Tashkent University of Information Technologies named after Muhammad Al-Khwarizmi, assistant

tadhamjon96@gmail.com

Abstract: Artificial intelligence (AI) has been hailed as the technology of the future, with companies and governments investing heavily in its development. But with great power comes great responsibility, and we must consider its negative impacts on humanity. AI is the simulation of human intelligence by machines, including processes such as learning, reasoning and self-correction.

Key words: Artificial intelligence, technology.

Introduction

Artificial intelligence (AI) has been hailed as the technology of the future, with companies and governments investing heavily in its development. But with great power comes great responsibility, and we must consider its negative impacts on humanity. AI is the simulation of human intelligence by machines, including processes such as learning, reasoning and self-correction. The field of AI dates back

to the 1950s, but recent advances in computing power and big data have accelerated its development. The positive effects of AI include increased efficiency, accuracy and productivity. It has revolutionized industries such as manufacturing, healthcare and finance, but its negative impact on the workforce cannot be ignored. AI automation and the growing skills gap threaten to leave many people jobless, and we must consider the future of work. While AI has the potential to improve warfare, there are also concerns that it could lead to lethal autonomous weapons, posing ethical concerns and affecting international security. AI also raises surveillance and privacy concerns, as data breaches and misuse become a growing concern. The lack of personal privacy and potential for abuse are also major issues. Another concern is AI bias and discrimination, which could perpetuate social inequalities. Misinterpretations and overgeneralizations could result in harm to individuals or groups.

Negative impacts of AI on the job market

We always think about the benefits of AI, but what happens to the jobs that will disappear once AI takes over? Yes, you guessed it right. AI automation will take away jobs from humans. The fear of AI taking over the world and leaving us jobless is not new. What's worse, it's becoming a reality. As companies are looking for ways to cut costs and increase efficiency, many are implementing automated systems. These systems can perform tasks faster and more accurately than humans. This means that humans are being replaced by robots and machines, and it's happening at an alarming rate. The growing skills gap is another concern. As AI develops new skills, humans must learn to keep up. However, not everyone can retrain themselves and acquire new skills. This leaves a gap in society where people are left behind without employment. So, what's the future of work? It's uncertain. With the rise of AI, many jobs will no longer be necessary. While new jobs will be created, it's unclear if there will be enough and if people will have the required skills. It's a scary thought that AI will change the job market forever. But wait, AI is not all bad. It's important for us to accept that it will completely change the job market and prepare for it. Yes, in some

industries, jobs will be lost, but at the same time, new jobs will also be created. We should embrace the change and work together to develop new skills that are relevant in the future job market.
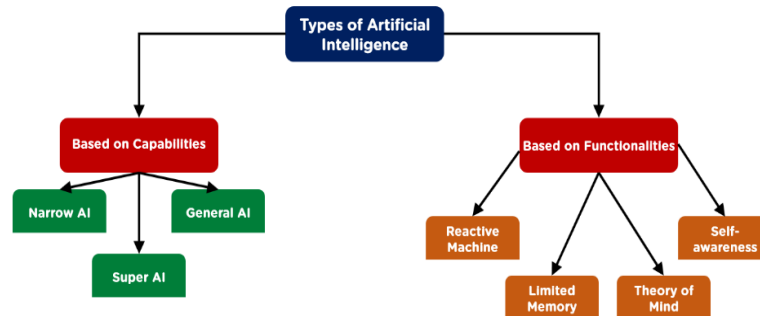

Image 1. Types of artificial intelligence.

The use of AI in warfare

The use of AI in warfare has been a topic of debate for years. Lethal autonomous weapons, also known as killer robots, are a cause of concern. These weapons have the ability to select and engage targets independently, without human intervention. It's terrifying to think about machines making life or death decisions. The ethical concerns surrounding the use of AI in warfare are a potent issue. Should machines be able to take lives on their own, without a human being held accountable? What's the moral impact of delegating decisions that could have life or death consequences? While AI offers advantages in the field, the implications of its use cannot be overlooked. The impact of AI on international security is also a significant concern. As world superpowers continue to invest in and develop AI weapons technology, there is a chance of it becoming a tipping point for global conflicts. It's necessary to strike a balance between leveraging AI advancements and ensuring diplomatic relationships.

Surveillance and Privacy Concerns

Surveillance and Privacy Concerns: We live in a world where our every movement is tracked, recorded and analyzed. With the increasing use of AI in surveillance, this means that our personal data is becoming more vulnerable than ever before. Data breaches and misuse have become commonplace, and there is no telling when the next big cyber-attack will occur. Furthermore, the lack of personal privacy

is concerning. With AI-powered facial recognition technology and other surveillance systems, we are under constant observation, and our behavior is constantly monitored. This level of scrutiny is simply unacceptable. Perhaps the most worrying aspect of AI surveillance is the potential for abuse. Governments and other entities with access to surveillance technology can use it to track and suppress dissent. This is precisely what we have seen in countries like China, where facial recognition technology is used to identify and track members of the Uighur Muslim minority. To make matters worse, there are currently no effective regulations in place to prevent the misuse of AI surveillance technology. It is up to us to demand greater accountability and transparency from those who are developing and using these systems. Our privacy and freedom depend on it.

CONCLUSION

It's clear that AI has immense potential to transform the world. However, we must consider the negative impacts it can have on humanity. Ethical development practices are necessary to ensure responsible AI. Developers and users alike have a responsibility to recognize and mitigate the potential for bias and discrimination, ensure safety and regulatory compliance, and balance progress with safety. We must take the necessary steps to ensure that the benefits outweigh the risks and that AI will work for the betterment of humanity.

REFERENCES

1. Lee, J.-S.; Hsiang, J. Patent claim generation by fine-tuning OpenAI GPT-2. World Pat. Inf. 2020, 62, 101983. [CrossRef]

2. Floridi, L.; Chiriatti, M. GPT-3: Its nature, scope, limits, and consequences. Minds Mach. 2020, 30, 681–694. [CrossRef]

3. Nath, S.; Marie, A.; Ellershaw, S.; Korot, E.; Keane, P.A. New meaning for NLP: The trials and tribulations of natural language processing with GPT-3 in ophthalmology. Br. J. Ophthalmol. 2022, 106, 889–892. [CrossRef] [PubMed]

4. Chintagunta, B.; Katariya, N.; Amatriain, X.; Kannan, A. Medically aware gpt-3 as a data generator for medical dialogue summarization. In Proceedings of the Machine Learning for Healthcare Conference, Online, 6–7 August 2021; pp. 354–372.

5. Wang, S.; Liu, Y.; Xu, Y.; Zhu, C.; Zeng, M. Want to reduce labeling cost? gpt-3 can help. arXiv 2021, arXiv:2108.13487.