



Is AI that Dangerous?

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Is Artificial Intelligence That Dangerous?

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One can sense the fear of Artificial Intelligence (IA) in the reports and other comments watching the news in recent months. Although AI technology has been around for some time, it is a sizable unknown, and we are uneasy with its incomplete understanding of its functions. The concept of something we do not entirely understand is frightening since we are used to dealing with things we control or at least understand. However, social media make viral some of the AI applications (OpenAI Gym, Infosys Nia, 2O.ai, Speechify, and chatbots) part of the mainstream debates. Artificial intelligence (AI) has long been a source of intrigue and dread. While some see AI as able to advance humanity significantly, others worry that it might endanger our way of life.

AI, or artificial intelligence, refers to developing computer systems that can perform tasks that typically require human intelligence, such as visual perception, speech recognition, decision-making, and language translation. In other terms, it is the notion that machines may be created to mimic human intelligence, learning, and problem-solving skills. This entails creating algorithms and models to decipher and analyze massive amounts of data, spot trends, and base forecasts or conclusions on those predictions or decisions.

It is intrinsically unsettling to think that a machine could learn and make judgments on its own. However, the abstraction of technology reminds us that human involvement and control are fading in several aspects of our lives. Society has always been under human control, and it is not obvious that AI can completely replace them. However, AI has already automated low-skilled tasks that people formerly performed, and this trend will only continue. The unemployment and economic instability that resulted from the progress in new technologies raised worries, in many cases, and can be highly problematic since the trend will not only affect those in low-skilled positions but rather calls into question our value as humans and our part in society.



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AI also has the potential to generate new sectors and jobs, especially in fields like machine learning and data analysis. It can enhance healthcare through large-scale data analysis. AI algorithms can spot trends people overlook. This may result in better treatment strategies, more accurate diagnoses, and better patient outcomes. AI can increase healthcare accessibility, particularly in regions without medical experts and various outbreaks.

AI systems can increasingly examine massive volumes of data and spot patterns that were previously difficult to find as they become more advanced. While this may increase safety and deter crime, it raises questions about surveillance and personal privacy. AI may serve as an instrument of control in autocratic regimes and deprive citizens of their privacy liberties and freedom.

Although AI can revolutionize numerous industries and vastly improve our lives, it also has a high risk of misuse. As artificial intelligence becomes increasingly pervasive in various aspects of our lives, it is fair to determine its boundaries and what is morally right and wrong. The overall ethical considerations of AI are complex and multifaceted and require careful consideration and ongoing discussion among developers, policymakers, and society. The potential for AI systems to support or even reinforce societal biases and discrimination is one of the most important ethical issues surrounding AI. The military use of AI for autonomous weapons can cause harm and loss of life without proper human oversight and the ability to make critical life decisions in health care. It gets harder to comprehend how AI algorithms make decisions and to make sure they are not prejudiced against specific groups or individuals as they get more complicated and autonomous.

Cybercriminals can employ AI in DDoS-targeted attacks represents a cybersecurity risk. AI systems are increasingly capable of analyzing vast volumes of data to pinpoint precise targets and vulnerabilities as they develop. This ability could raise the challenge of identifying and blocking cyberattacks while making them more precise and effective. It gets harder to determine the accountability for the actions of AI systems as they become more independent.



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AI algorithms can analyze large data sets to find patterns and abnormalities pointing to a possible cyber threat and be able to detect threats and take action more rapidly and successfully. Cyber analysts can find holes in networks and computer systems with AI-powered vulnerability scanning technologies, enabling them to fix the vulnerabilities before cybercriminals can exploit them. It can analyze user activity and spot unusual behavior pointing to a cyber threat, such as when a worker accesses sensitive information outside regular working hours. The technology can be used to gather and analyze threat intelligence data from various sources, including social media sites and dark web forums, stay current on the most recent online risks, and take preventative action against attacks.

To effectively use AI to mitigate cyber threats, cyber analysts must ensure that their AI algorithms are accurate, reliable, and transparent. They must also ensure that the AI is integrated into their overall cybersecurity strategy and that it complements other security tools and processes. Finally, cyber analysts must ensure they have the necessary skills and training to use AI effectively. By leveraging the power of AI, cyber analysts can improve their ability to detect, prevent, and respond to cyber threats.