

HOW ARTIFICIAL INTELLIGENCE IS CHANGING OUR LIVES

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Artificial intelligence (AI) is a wide-ranging tool that enables people to rethink how we integrate information, analyze data, and use the resulting insights to improve decision making—and already it is transforming every walk of life. In this report, Darrell West and John Allen discuss AI's application across a variety of sectors, address issues in its development, and offer recommendations for getting the most out of AI while still protecting important human values.

Introduction

Artificial Intelligence (AI) is the ability of machines to perform tasks that normally require human intelligence. In simple words, AI allows computers and systems to learn from experience, recognize patterns, understand language, and make decisions. From smart assistants like Alexei to self-driving cars, AI is designed to think and act like humans — but often faster and more efficiently.

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Artificial Intelligence (AI) has become one of the most important and influential technologies in the modern world. Over the past few decades, AI has changed the way people live, work, study, and communicate. Today, artificial intelligence is used in many areas of everyday life, including healthcare, education, business, transportation, and entertainment. From smart phones and virtual assistants to self-driving cars and online recommendations, AI has made human life easier, faster, and more efficient.

One of the biggest advantages of artificial intelligence is automation. Many tasks that once required a lot of human effort can now be completed by machines in a short amount of time. For example, AI systems can analyze large amounts of information, recognize patterns, and make decisions with high accuracy. In healthcare, AI helps doctors diagnose diseases and develop better treatments. In education, students can use smart learning platforms and online tools to improve their knowledge and skills. Businesses also benefit from AI because it increases productivity, saves time, and reduces costs.

In addition, artificial intelligence has improved communication and access to information. Social media platforms, translation applications, and chatbots allow people from different countries to connect more easily. AI-powered technologies also help people find information quickly on the internet and receive personalized recommendations based on their interests.

However, despite its many benefits, artificial intelligence also creates some challenges. Many people worry that AI may replace human workers in the future, leading to unemployment in certain industries. Others are concerned about privacy, security, and ethical issues related to AI systems. Therefore, it is important to use artificial intelligence responsibly and carefully.

Overall, artificial intelligence has greatly transformed modern society and continues to shape the future of humanity. As technology develops further, AI will likely become an even more important part of everyday life.

Main part

Potential benefits of artificial intelligence

Everyone knows that AI gives businesses an edge. The Appen State of AI Report for 2021 says that all businesses have a critical need to adopt AI and ML in their models or risk being left behind. Companies increasingly utilize AI to streamline their internal processes (as well

as some customer-facing processes and applications). Implementing AI can help your business achieve its results faster and with more precision

The first major advantage of implementing AI is that it decreases human error, as well as risk to humans.

“To err is human...” - Alexander Pope, Enlightenment poet.

Everyone makes mistakes on occasion. That’s not always a bad thing, but when it comes to producing consistent results, it certainly can be. Using AI—particularly AI agents—to complete tasks, especially repetitive ones, can prevent human error from tainting an otherwise perfectly useful product or service.

Similarly, using AI to complete particularly difficult or dangerous tasks can help prevent the risk of injury or harm to humans. An example of AI taking risks in place of humans would be robots being used in areas with high radiation. Humans can get seriously sick or die from radiation, but the robots would be unaffected. And if a fatal error were to occur, the robot could be built again.

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24/7 availability

AI programs are available at all times, whereas humans work 8 hours a day. Machines can work all through the day and night, and AI-powered chatbots can provide customer service even during off-hours. This can help companies to produce more and provide a better customer experience than humans could provide alone.

Unbiased decision making

Humans disagree and allow their biases to leak through in their decisions all the time. All humans have biases, and even if we try and solve for them, they sometimes manage to sneak through the cracks.

On the other hand, provided the AI algorithm has been trained using unbiased datasets and tested for programming bias, the program will be able to make decisions without the influence of bias. That can help provide more equity in things like selecting job applications, approving loans, or credit applications.

Though if the AI was created using biased datasets or training data it can make biased decisions that aren't caught because people assume the decisions are unbiased. That's why quality checks are essential on the training data, as well as the results that a specific AI program produces to ensure that bias issues aren't overlooked.

Repetitive jobs

Even the most interesting job in the world has its share of mundane or repetitive work. This could be things like entering and analyzing data, generating reports, verifying information, and the like. Using an AI program can save humans from the boredom of repetitive tasks, and save their energy for work that requires more creative energy.

Cost reduction

As we addressed above, AI can work around the clock, creating more value in the same day as a human worker. And since AI can help to take over manual and tedious tasks, it frees up workers for higher-skilled tasks. That, ultimately, creates more value for the end-user or consumer.

Data acquisition and analysis

When it comes to processing data, the scale of data generated far exceeds the human capacity to understand and analyze it. AI algorithms can help process higher volumes of complex data, making it usable for analysis.

The harms of ai in our daily life

Although artificial intelligence has many advantages, it also has several important disadvantages that affect society, businesses, and individuals. As AI technology becomes more advanced, people are becoming increasingly concerned about its negative effects on employment, privacy, security, and human interaction.

One of the biggest disadvantages of artificial intelligence is job loss. Many companies use AI-powered machines and automated systems to perform tasks that were once done by humans. Factories, banks, supermarkets, and even customer service centers are replacing workers with robots and computer programs because they are faster and cheaper. As a result,

many people may lose their jobs, especially those who work in repetitive or low-skilled positions. This can increase unemployment and create economic problems for many families.

Another major problem is the lack of human emotions and creativity in AI systems. Artificial intelligence can analyze information and make decisions based on data, but it cannot truly understand human feelings, emotions, or moral values. For example, AI chatbots and virtual assistants may communicate effectively, but they cannot replace real human relationships or emotional support. In areas such as healthcare and education, human empathy and understanding are extremely important and cannot be fully replaced by machines.

Privacy and security are also serious concerns related to artificial intelligence. Many AI systems collect and store large amounts of personal information from users. This data can sometimes be misused, stolen, or shared without permission. Cybercriminals may also use AI technology for hacking, fraud, or spreading false information online. Deepfake videos and AI-generated content can confuse people and make it difficult to identify what is real and what is fake.

In addition, artificial intelligence can make people too dependent on technology. Today, many individuals rely on AI tools for navigation, communication, studying, and decision-making. Excessive dependence on technology may reduce critical thinking, problem-solving skills, and human creativity. People may become less independent because machines perform most tasks for them.

Another disadvantage is the high cost of developing and maintaining AI systems. Creating advanced AI technology requires large investments, powerful computers, and skilled professionals. Smaller companies and developing countries may not have enough resources to compete with larger organizations in the field of artificial intelligence.

In conclusion, artificial intelligence offers many benefits, but it also creates serious challenges and risks. Job displacement, privacy issues, lack of emotions, and dependence on technology are some of the major disadvantages of AI. Therefore, society must use artificial intelligence carefully and responsibly to reduce its negative effects while still benefiting from its advantages.

Conclusion

In conclusion, artificial intelligence has become an essential part of modern life and continues to influence the world in many ways. It has improved technology, increased productivity, and made everyday tasks easier and faster. AI is widely used in education, healthcare, business, and communication, helping people save time and achieve better results.

However, despite its many advantages, artificial intelligence also has several disadvantages, including job loss, privacy concerns, security risks, and increased dependence on technology.

As AI continues to develop, it is important for society to use it responsibly and ethically. Humans should control and guide artificial intelligence instead of becoming completely dependent on it. Governments, companies, and individuals must work together to ensure that AI is used for positive purposes and does not harm people or society. With proper regulation and careful use, artificial intelligence can continue to improve human life while reducing its negative effects. Ultimately, the future of AI depends on how wisely people choose to develop and use this powerful technology.

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