

PROSPECTS OF ARTIFICIAL INTELLIGENCE

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Artificial intelligence has been getting more attention lately, and if Bill Gates is to be believed, of all modern innovations, it is this one that has the greatest potential to change our lives: make them “more productive, more efficient, and generally easier” (Savchuk, 2018).

Future doctors probably won't be human. Artificial intelligence has already begun to enter doctors' offices today, so it's only a matter of time before it becomes common there, experts are convinced. “From powerful diagnostic algorithms to finely tuned surgical robots, this technology is making its presence extremely visible in all medical fields”. Artificial intelligence has also shown the ability to determine the risk of age-related diseases such as cancer and heart disease, reports (Norman,2018).

People will have personal assistant robots. Companies such as Google, Amazon, and Microsoft are already offering their home assistants today, which are meant to perform the functions of household tasks: through the sound control system, they are able to turn on the lights, the ventilation system, or the music, as well as make your schedule, report the traffic situation, introduce the latest world news or recommend the nearest restaurant to your taste.

Facial recognition technology will become the new credit card. The head of Orange Silicon Valley, George Nahon, believes that thanks to the modern development of artificial intelligence, the new credit cards will become nothing more than a human face (Clifford,2018).

Robots are already “freeing” people. A recent McKinsey report warns that by 2030, 400 to 800 million people worldwide could lose their jobs to automation. The risk group includes sellers, receptionists, security guards, etc. And the conclusions of another study indicate that by 2024 artificial intelligence will exceed the abilities of foreign language translators, by 2026 it will be able to independently write works for schoolchildren, by 2027 it will drive a truck by itself.

Pocket friends – chatbots are gaining popularity. Although chatbots still have many drawbacks, their adoption is becoming more and more popular. Many are developing them for different purposes: for example, chatbots are used by the airline search website Skyscanner or the social network Facebook, which, despite numerous failures, is currently testing a new approach in the development of a chatbot. The corporation's goal is to teach the program to speak like a human.

Apartments and entire cities will become “smart”. Today, the modern Internet connects millions of devices, including not only computers and smartphones, but also any gadget. The so-called “Internet of Things” - the concept of connecting any device with the Internet and with each other - is gaining popularity. Today, for example, there are already many thermostats that allow you to adjust the temperature in the apartment via a smartphone, even if no one is at home (Savchuk,2017).

Artificial intelligence will write music and books. There are opinions that artificial intelligence has a unique ability to write individual books and music depending on a person's preferences. Recently, it has already managed to create a lullaby, which, according to the medical company managing the project, has a therapeutic effect (Chu, Dunn, Roy, Sands, & Stevence, 2017).

The use of virtual reality will become an everyday phenomenon. Although virtual reality glasses are usually associated with video games and entertainment, they are actually used in many areas: for example, in medical education, training, and even for the treatment of some diseases. Today, this technology has become more accessible, while the development of “augmented reality” is growing rapidly (Solotko, 2017).

Commercial airlines. You might be surprised to learn how little flying your

pilot friend actually does. A 2015 survey of Boeing 777 pilots reported that a pilot spends only 7 minutes manually controlling the aircraft during a typical flight, with most of the piloting performed by AI technology. According to Wired Magazine, Boeing is working on creating jetliners that are completely controlled by artificial intelligence - without any human pilots (The Manifest, 2018).

To help astronauts, scientists have developed virtual intelligent assistants called Cimon, which can detect dangers during long space flights, malfunctions in the spacecraft. For planning a mission to Mars and being there directly due to the limitations and unavailability of the full amount of information, artificial intelligence is the only intelligent system that will be able to help. Artificial intelligence technologies can be used where a person will either not be physically able to be, or it will be dangerous (Makhnenko, 2021).

In conclusion, artificial intelligence plays a significant role in virtually every field of human endeavor. It is already the primary driver of developing technologies such as big data, robots, and the Internet of Things, and it will continue to be a technical pioneer in the foreseeable future.

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