APPLICATION OF ARTIFICIAL INTELLIGENCE

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Artificial intelligence is the ability of a mechanical system to acquire, process, and apply skills. The main purpose of its creation was to help people when performing certain work, to facilitate it while saving time.

What are the advantages of artificial intelligence over humans?

- accuracy in data processing;
- the ability to analyze a large amount of information at high speed;
- AI does not need sleep or a lunch break; it does not make mistakes due to overwork;
- artificial intelligence can be used where it is dangerous for a person to be;
- It is not affected by moral and physical factors.

Let's take a look at artificial intelligence in medicine and health. Looking at the rapid development of technologies, even today surgeons are able to use the Internet in "smart glasses" to perform surgeries and upload X-ray images and patient medical histories to them. In addition, doctors will actually be able to "communicate with the Internet." With the help of technology, a doctor can get all the necessary information

from the Internet, make a diagnosis, and give accurate medical advice. It will make life easier not only for doctors but also for patients who spend a lot of time passing tests, getting a doctor's consultation, and finding out the results.

In the future, all this will not be necessary because people will be able to discuss their health with smart watches or glasses. In the future, computers will be embedded in our bodies and perform blood tests in real time. Cancer may be developing in your body right now, but we may not know about it for some time. For a tumour to appear, 10,000 cancer cells are needed. But now the latest technologies can find one cancer cell in a billion in the blood. This futuristic technology will find cancer cells in your body years before you develop a tumour. And we will be able to go to the doctor in time to cure it.

The most popular product created using AI technology is a smart house. It is not surprising because the concept of its application is already known: a smart house makes everyday life more comfortable to use. The system is able to monitor home security, water and light consumption, climate, monitor the state of networks, and automatically clean.

Portable smart devices, such as fitness bracelets, smart watches, and phones, also help in everyday life. How quickly and efficiently intelligent systems will be implemented in everyday life depends on specific projects and tasks. Of course, artificial intelligence cannot be protected from errors and the influence of external factors. Therefore, it will still be up to a person to make important decisions and be responsible for them, but with the help of smart machines and programs, people will be able to work faster and also make their lives more comfortable and safer.

If we take a closer look at public sector and artificial intelligence, AI systems, with the help of cameras and motion sensors, are able to monitor order on the city streets and in places of mass gatherings of people, predict the occurrence of dangerous situations, and even recognize criminals. Smart systems are also capable of accurately comparing documents and detecting theft. In the same way, artificial intelligence technologies work in fire safety services,

independently checking, warning, and making decisions about calling a fire brigade. AI technologies used in the work of officials will help reduce the time for processing and systematizing state documents, patents, and licenses.

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