

**ARTIFICIAL INTELLIGENCE: CURRENT USE AND FUTURE  
PERSPECTIVES**

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Nowadays artificial intelligence has occupied a special place in everyday life.

Therefore, it's important to begin with defining the notion of artificial intelligence. According to Britannica, artificial intelligence (or its common short variant AI) can be defined as “the special ability of a computer or computer-controlled robot to perform tasks that are commonly associated with the intellectual processes characteristic of humans, for instance the ability to reason.” (Encyclopedia Britannica, 2024).

Just as anything in this world, AI develops every day and this development is happening at an unprecedented rate. From the moment when people all around the world used to use artificial intelligence just for some simple daily needs such as cooking, searching for information for school projects, finding stuff according to their preferences etc. to something more global. For example, NASA has been using AI during planning missions for their rovers, to detect anomalies or even to automate some time-consuming processes, for example, like program or projects reviews.

However, space is not the only field, where people developed practical solutions on implementing AI. For instance, healthcare, which is one of the most important branches for humanity, has not become an exception, and instead of standing aside, it also adapted to use AI. Currently hospitals use artificial intelligence to develop diagnostic tools and personalized treatment plans. A vivid example of AI's practical application is given by Forbs. An article presents an information about “a group at Mount Sinai who managed to use deep learning-based AI algorithms to predict the development of diseases with 94% accuracy, including cancers of liver, rectum, and prostate. Published cancer research, clinical trials, and drug development have provided a plethora of data proving that AI can help to review and then guide healthcare decision-making.” (Forbs, 2024).

Financial industry also faced some changing after implementation of AI in banking system, some routine tasks were automated and that made it easier for both customers and bank-workers to cooperate. For example, it is the development of AI-powered chatbots for customer service, automated document processing for loan approvals, and algorithmic trading systems for financial markets.

Climate change has become one of the most terrifying problems for people around the globe. That's why several thought leaders in AI and machine learning believe that artificial intelligence could be the key to solve this problem.

Shown examples are just proving the statement that day in, day out the world changes with the development of artificial intelligence. There are some foresights that in the nearest future, when AI becomes more accurate, it could be used to solve more sophisticated issues, from any fields that are important for humanity.

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