

PROSPECTS FOR ARTIFICIAL INTELLIGENCE: ANALYSIS, CHALLENGES AND RECOMMENDATIONS

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In recent years, artificial intelligence has become one of the most innovative and promising fields. Its rapid development and integration into various aspects of human life have raised important questions about the advantages and disadvantages it can create. In this paper, we reviewed the prospects for artificial intelligence, covering its potential benefits, ethical issues, economic impact, and societal implications. The goal is to provide a comprehensive view of the opportunities and challenges presented by AI as it continues to shape the future.

Artificial intelligence has great potential to influence the global economy. It automates routine tasks, helps with decision-making through predictive analytics, and can significantly increase labor productivity by taking on simple and routine tasks, and these are just a few ways AI can contribute to economic growth. It is expected that the use of artificial intelligence will create new jobs, and can help in the transformation and improvement of existing conditions. However, this economic growth can be uneven and have a number of problems, and there is a need for policies that can address aspects such as displacement and job cuts. To date, AI is already used in many areas, but there are still no specific laws that would regulate its use.

Artificial intelligence (AI) is having a significant impact on the economy and the labor market. On the one hand, the automation of processes thanks to AI leads to increased productivity and efficiency in various industries. On the other hand, it can lead to transformations in the labor market, where certain types of work may be automated, which will require re-skilling and re-training of workers. In addition, there is a need to create new jobs related to the development and management of AI systems. Thus, the impact of AI on the economy and the labor market requires careful analysis and strategic planning to ensure sustainable development.

One of the most important aspects is the transparency and openness of the algorithms used in AI systems, as this determines the possibility of tracking and understanding the decisions made. In addition, it is important to avoid bias and discrimination in the decision-making process of AI systems, as this can lead to negative social consequences. Ensuring the privacy and security of data processed by AI systems is also a key aspect to avoid possible privacy breaches. All this requires the development of ethical standards and regulations that will guide the use of AI in various spheres of society.

The risks and challenges associated with the development of artificial intelligence (AI) represent an important problem for modern society. First, there is a threat of automation of a large number of jobs, especially in areas where routine tasks can be performed by AI algorithms. This can lead to social challenges related to unemployment and instability in the labor market. The second significant risk is privacy and data security issues. AI can have access to vast amounts of personal information that can be used by unscrupulous individuals or agencies. This highlights the need for strict rules and regulations regarding data processing and storage, and also forces the development of strategies and regulations to regulate the development of AI and ensure its responsible use.

First, it is necessary to develop a clear legal framework for the collection, processing and storage of data, especially personal information, used in AI systems. This will help prevent potential privacy breaches and data leaks. The second important aspect is the definition of responsibility for AI actions. This means solving issues related to possible errors or incorrect decisions made by the system, as well as determining possible ways to correct these situations. In general, effective regulation of AI will help ensure a balance between the development of this technology and the preservation of ethical and legal norms. This will contribute to the sustainable and safe implementation of artificial intelligence in modern society.

Artificial intelligence has incredible potential to transform modern society. However, it is important to realize that its impact can be both positive and negative, so the ethical and responsible use of AI is of the utmost importance. Collaboration

between governments, industry experts and the public are needed to develop effective strategies and regulations for AI in the future.

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