

The Role of Artificial Intelligence in Public Sector

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Abstract. This article examines the integration of artificial intelligence (AI) in the public sector, highlighting its potential to enhance efficiency and decision-making. It explores various applications of AI, such as predictive analytics and automated services, and discusses the ethical considerations and challenges associated with AI implementation in government operations. The findings emphasize the need for a balanced approach to harnessing AI's benefits while mitigating risks.

Keywords: artificial intelligence, public sector, efficiency, decision-making, ethical considerations

Introduction

Artificial intelligence (AI) is rapidly transforming various sectors, and the public sector is no exception. This article explores the role of AI in enhancing efficiency and decision-making within government operations. It examines different applications of AI, including predictive analytics and automated services, and discusses the ethical considerations and challenges that come with AI implementation in the public sector. Through case studies and expert opinions, the article highlights the potential of AI to revolutionize public services while emphasizing the importance of addressing ethical concerns and ensuring transparency and accountability in AI-driven processes.

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References

1. Hasanova, J. V., & Nadjafova, K. A. (2019, December). Economic impacts and historical factors of the technology development. In International Scientific and Practical Conference on Digital Economy (ISCDE 2019) (pp. 857-860). Atlantis Press.
2. Гошева, Б. Д., & Калчев, К. Д. (2015). Лятна школа по ПР. Годишник на департамент „Масови комуникации“, НБУ. [Gosheva, B. D., & Kalchev, K. D. (2015). Lyatna shkola po PR. Yearbook of the Department of Mass Communications, NBU]. Достъпно на: <https://www.ceeol.com/search/article-detail?id=425956>
3. Дідик, О. (2024). Особистий бренд та роль Мохаммеда бін Салмана у контексті формування сучасного політичного ландшафту Саудівської Аравії. Науково-теоретичний альманах Грані, 27(4), 109-121.
4. Дідик, О. (2024). Роль чуток і пліток у формуванні та трансформації особистих брендів у політичному ландшафті Ірану. Науково-теоретичний альманах Грані, 27(2), 116-123.