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Artificial intelligence and personal security

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Abstract

This paper delves into the transformative role of artificial intelligence (AI) in personal security. It looks into its applications, benefits, and associated challenges. Technologies such as facial recognition, anomaly detection, and adaptive cyber security systems have redefined how individuals and organizations safeguard their physical and digital assets. AI, by leveraging real-time data processing and predictive analytics, enhances threat detection and response capabilities, thereby making security systems more efficient and dynamic.

This brings critical ethical and practical concerns that surround AI, such as infringement of privacy, algorithmic bias, and possible misuse of the technology. A comprehensive review of literature, case studies, and comparative analysis is carried out in this study to critically examine the current state of AI in personal security. This identifies the critical challenges, indicates the need for transparency and ethical frameworks, and gives actionable recommendations toward the responsible deployment of AI. The findings emphasize balancing innovation with accountability in the development of AI as a reliable tool to enhance personal security by providing protection against individual rights.

