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Healthcare and Management using Blockchain and AI Technologies

Manasa Umesh[1], Bhavana H[2], Nirmala H[3]
Undergraduate Students, Department of Information Science and Engineering[1,2]
Professor, Department of Information Science and Engineering[3]
Global Academy of Technology, Bangalore, India

Abstract: *Blockchain technology, a transformative force in today's business realm, operates as a digital ledger securing transactions through cryptographic references. Its application in healthcare responds to the imperative of safeguarding sensitive medical data, given the industry's vulnerability to breaches. Between 2009 and 2017, over 176 million patient records fell victim to data breaches, highlighting the urgency for robust security measures. Blockchain's appeal lies in its capacity to provide an unalterable, decentralized, and transparent record of patient information, ensuring privacy through complex codes. This decentralized approach fosters quick and secure data sharing among patients, doctors, and healthcare providers. Additionally, the integration of machine learning enhances blockchain's efficiency, allowing for the extraction of pertinent information from healthcare data. This synergy holds promise for addressing security concerns and optimizing data management in healthcare.*

Keywords: digital ledger, cryptographic references, data breaches, patient records, security measures, unalterable record, decentralized, transparent, privacy, machine learning, efficiency, pertinent information

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