

Electronic Health Record System using Blockchain

Rohit Divekar¹, Prof. Archana Said², Prasun Bhunia³, Pallavi Shinde⁴, Sushant Kulkarni⁵

Students, Department of Computer Engineering^{1,3,4,5}

Professor, Department of Computer Engineering²

AISSMS Institute of Information Technology, Pune, India

Abstract: *Electronic health records possess the patient's medication details and their health history. It is an efficient and effective method for exchanging patient health records between various hospitals and other significant players in the healthcare sector in order to improve patient diagnosis and treatment on a worldwide scale. However, the present EHR systems mainly fall short when it comes to providing adequate security, entrusted access control, and resolving privacy and secrecy issues and obstacles in current hospital infrastructures. Attackers are drawn to the health records because they contain important information. An incorrect medication or operation is the result of a lost electronic health record. In this paper, we discuss how the blockchain technology can be applied to change the EHR systems and potentially provide a solution to these problems. Our suggested framework aims to adopt blockchain technology for EHR in the first place and to offer safe storage of electronic records by setting specific access guidelines for users. This framework offers the EHR system the advantages of having a scalable, secure, and integrative blockchain-based solution.*

Keywords: Blockchain, IPFS, Ethereum, Security, EHR.

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