Ethereum Blockchain based Repository for Criminal Data Containment

Pinak Pandit[1], Rohit Sonar[2], Ashutosh Raykar[3], Suvas Wagh[4], Dr. M. A. Pradhan[5]

Student, Computer Department, AISSMS College of Engineering, Pune, India [1,2,3,4]

Faculty, Computer Department, AISSMS College of Engineering, Pune, India [5]

Abstract: *Crime in India is increasing at an alarming rate. However, the main issue is these activities are not clearly registered and are not stored effectively. Mostly in our Indian Management system Data is stored in the traditional Relational databases Systems which are prone to SQL injection attacks. . The main reason to maintain criminal records in a blockchain is that sensitive data like criminal records shouldn't be altered by anyone. There have been instances where criminal records have either been wiped or altered. It is not uncommon for corrupt officials to bribe in order to keep their criminal records clean and misuse their position. Consequently, police records can sometimes be altered or wiped out easily. A decentralized system on the blockchain platform for storing criminal records is the only way to prevent this. This ensures that no one can change or interfere with the records, and it eliminates the possibility of data being modified. The main motivation is to eliminate all the disadvantages of handling and storing criminal records in traditional database systems by incorporating the criminal data on a blockchain platform.*

Keywords: Blockchain, Information security, Ethereum, Decentralized Application Development, Web3.js

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