The Blockchain Based Document Verification System

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Abstract: *Document verification is a regular need for both individuals and corporations. Verifying the legitimacy of records is essential for anything from legal documents to academic degrees. In order to safely store and validate certifications, this study suggests a blockchain-based solution called "BlockDoc," which is primarily intended for use in educational institutions. The suggested method makes use of blockchain technology and cryptographic hashing to guarantee the validity and integrity of documents. The framework transforms document content into a one-way hash that is stored on the blockchain using cryptography. Each document is uniquely identified by its hash, facilitating easy and safe verification. A document is considered legitimate if its hash matches the hash stored on the blockchain. This technology improves the effectiveness of document verification procedures and removes the possibility of tampering.*

Keywords: blockchain; cryptographic; hash code; certificates; Ethereum..