

Project Synopsis
On
Blockchain-enabled
Decentralized
Cloud/Edge Computing
(Decentralized storage
system using
blockchain)

Submitted to:

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TITLE OF THE PROJECT

Blockchain-enable Decentralized Cloud/Edge Computing (**Decentralized storage system using blockchain**)

OBJECTIVE OF THE PROJECT

The objective of a decentralized storage system using blockchain is to provide a secure and decentralized way of storing and retrieving data. Traditional centralized storage systems have some drawbacks, such as data breaches, data loss, and single points of failure. By using a decentralized storage system, these drawbacks can be addressed, and the data can be made more secure and available.

APPLICATION OF THE PROJECT

A decentralized storage system using blockchain can have various applications in different industries. For example :-

- Data storage and sharing: The system can be used to store and share sensitive data, such as personal data, medical records, and financial information. By using a decentralized storage system, the data can be made more secure and available, and the users can have more control over their data.
- Content sharing and distribution: The system can be used to share and distribute content, such as videos, music, and books, without relying on centralized platforms. This can help to reduce the control of centralized platforms over the content distribution, and provide a more democratic and open content distribution system.
- Cloud storage and backup: The system can be used as a decentralized cloud storage and backup solution, where users can store their files and data securely and efficiently. By using a decentralized storage system, users can have more control over their data and reduce the risk of data loss
- Supply chain management: The system can be used to track and store supply chain data, such as product information, shipping information, and inventory information. By using a decentralized storage system, the supply chain data can be made more secure and transparent, and the risk of data tampering and fraud can be reduced

LANGUAGES / SOFTWARE USED

- Web3.js
- Truffle
- Ethereum
- Solidity
- IPFS- InterPlanetary File System (IPFS)

Signature of Mentor

Signature of Students