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PROJECT TITLE

Block Chain

AGENDA

1.Problem Statement
2.Project Overview
3.End Users
4.Tools and Technologies
5.Portfolio design and Layout
6.Features and Functionality
7.Results and Screenshots
8.Conclusion
9.Github Link

PROBLEM STATEMENT

- *Traditional systems in finance, healthcare, and supply chain lack transparency, security, and trust. Data tampering, fraud, and centralized failures are major issues. Blockchain provides decentralized and tamper-proof solutions.*

PROJECT OVERVIEW

- *Educational institutions face challenges in identifying underperforming students early. Manual evaluations are time-consuming and often biased, leading to late interventions. An AI-powered system can provide predictive insights.*

WHO ARE THE END USERS

1. *Businesses – Ensure data integrity*
2. *Customers – Trust in secure transactions*
3. *Governments – Track digital assets*
4. *Developers – Build decentralized apps (Dapps)*

TOOLS AND TECHNIQUES

Blockchain Platform: Ethereum/Hyperledger
Smart Contracts: Solidity
Storage: IPFS
Programming: Python/JavaScript
Frontend: React, Web3.js
Version Control: GitHub

POTFOLIO DESIGN AND LAYOUT

1. Homepage: Title & objectives
2. About Blockchain Problem
3. Workflow: Smart contracts, transactions
4. Dashboard: Blockchain explorer view
5. Results & Screenshots
6. Conclusion

FEATURES AND FUNCTIONALITY

- ✓ *Decentralized ledger*
- ✓ *Smart contracts*
- ✓ *Transparent transaction history*
- ✓ *Data immutability*
- ✓ *Secure authentication*

RESULTS AND SCREENSHOTS

- *Successful deployment of smart contracts*
- *Transaction validation screenshots*
- *Blockchain explorer visualization*

CONCLUSION

- *Blockchain ensures transparency, immutability, and trust across industries. Future scope: integration with AI, scalability improvements, and cross-chain interoperability.*