Team Name: Code Titans

Problem Statement: Blockchain Innovations in Finance

Solution:

Our team has ideated to create a product which leverages the Web 3.0 technology using blockchain in the field of finance for providing safe, fast, transparent, user-friendly environment transaction for any type of currency existing now in the current trends and a personal finance advisor having the knowledge of all the current trends and scenarios in the finance industry.

So, the main focus of our product will be a decentralized application created using solidity to create smart-contracts for the development of Ethereum through which transaction process will occur. The framework used is Node.js(next.js) as a runtime environment, react as a frontend framework with Tailwind CSS for UI and MongoDB as database system for storing the user data with robust capability for dynamic processes and storing the essential details in an encrypted way. Then comes MetaMask which will be used as an authentication system for transferring the currency.

Next is the personal finance adviser which will be built using the same Node(next.js) as runtime environment, react as frontend framework with Tailwind CSS for the UI and MongoDB for storing the user information.

By using the Next auth involving JWT and adding the gas limits for the transaction which provide the security and prevent malicious actions on the user info.