Yashwardhan Paniya

Blockchain Developer

I am a dedicated developer driven by a passion for exploring the boundless possibilities within blockchain technology and crafting innovative applications. My expertise covers Solidity smart contracts and the development of web3 applications.

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WORK EXPERIENCE

Software Engineer
Persistent System Limited

07/2022 - Present,

Achievements/Tasks

- Authored numerous smart contracts with a focus on security, efficiency, and scalability. Each contract was rigorously tested and optimized to ensure robust performance.
- Developed multiple React applications with integrated blockchain functionality, enabling seamless interactions with smart contracts. Expertise in connecting wallets, handling transactions, and displaying real-time blockchain data.
- Led the creation of a DAO voting system for internal use, promoting decentralized decision-making with smart contract automation for proposals and voting processes.

Software Engineer Intern
Persistent System Limited

02/2022 - 07/2022,

Achievements/Tasks

- Led the end-to-end creation of an NFT marketplace, enablingthe minting, sales, and acquisition of NFTs.
- Created educational videos on blockchain concepts for a company-wide learning portal, enhancing accessibility and knowledge sharing for all employees.

EDUCATION

B.Tech in Computer Science
G H Raisoni College of Engineering and Management, Pune(GHRCEM)

2018 - 2022

12th (Senior Secondary Examination)
R.K High School (State Board), Pulgaon

2016 - 2018

10th Secondary Examination
Kendriya Vidyalaya (CBSE), Pulgaon

2016

SKILLS

Solidity | Java | Hardhat | Web3.js | Ethereum | React | Nodejs | NFT | Chainlink | Git | Defi | Ethers.js | Yarn

PROJECTS

Chainlink Lottery Game
- Developed a Solidity-based Lottery Game leveraging Chainlink VRF for randomness and Chainlink Keepers for automated execution. Users can enter the game with ETH, and a random winner is selected after a set interval. Additionally, created a React UI enabling seamless wallet connection and interaction with the game.

Yield Farming
- Developed a Yield Farming smart contract in Solidity, enabling users to participate in liquidity mining with unique reward rates and intervals. The contract includes functions for adding pools, managing deposits and withdrawals, and claiming rewards. It also tracks "whale" wallets and provides them with additional rewards.

Decentralized Exchange (DEX)
- Developed a Solidity-based Decentralized Exchange (DEX) smart contract that facilitates swapping between ETH and an ERC20 token. The contract includes functionalities for providing and withdrawing liquidity and swapping between ETH and tokens. Key features include automated pricing, liquidity management, and event tracking for transactions. Implemented liquidity provision and withdrawal functions, supporting both ETH and ERC20 token interactions, ensuring seamless asset exchanges and liquidity management.

NFT Marketplace
- Developed a Solidity-based NFT Marketplace smart contract for listing, buying, and managing NFT sales. The contract supports functionalities such as listing NFTs with a price, purchasing listed NFTs, updating listing prices, and canceling listings. Implemented secure transaction mechanisms with ReentrancyGuard to prevent reentrancy attacks and integrated error handling for various contract states. The contract includes events for successful listings, purchases, and cancellations, and allows sellers to withdraw proceeds. Utilized OpenZeppelin's ERC721 interface for NFT interactions and ensured only approved NFTs are listed.

DAO Voting
- Developed a Solidity-based DAO Voting smart contract to enable decentralized decision-making within a community. The contract allows users to contribute ETH, create proposals, vote on them based on their share of the treasury, and execute approved proposals. Key features include contribution management, share redemption, and automated proposal execution based on quorum.