DHANRAJ AVHAD

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• https://github.com/Dhanraj30 • Portfolio

OBJECTIVE

Innovative Blockchain Developer with extensive experience in designing and deploying cutting-edge decentralized applications, including a DeFi platform on ethereum based ecosystem. Proficient in Solidity, TypeScript, Rust, Next.js, Hardhat and modern JavaScript libraries/frameworks. Seeking to further improve my skills as the future full stack developer and will continue to contribute my overall knowledge as a developer.

EXPERIENCE / PROJECTS

Custom_Swap, Decentralized Exchange(Defi)
Jan 2024
- Developed a decentralized exchange on L2 Polygon Ethereum test network.
- Designed and implemented smart contracts for the decentralized exchange .
- Integrated ether.js to interact with the Ethereum blockchain, ensuring real-time updates and transactions.
- Technologies: Solidity, JavaScript, Next.js, ether.js, Hardhat(deployment & testing)

Decntralized Pool and Liquidity Finder Web3 Tool
May 2024
- Developed a decentralized application for finding liquidity pools on Uniswap V3.
- Designed and developed a responsive front-end interface using Next.js and Tailwind CSS.
- Integrated with UniswapV3 and Ether.js for real-time data fetching and transaction handling.
- Technologies: UniswapV3 Pool Factory contract, ether.js, Next.js, JavaScript

Crypto Liquidity Marketplace with ERC20 token Sale
Feb 2024
- Created a decentralized liquidity marketplace with ERC20 initial coin offering.
- Conducted comprehensive testing with hardhat to ensure the security and functionality of smart contracts.
- Provide liquidity pool creation and providers can deposit tokens into these pools .
- Technologies: Solidity, ether.js, Next.js, Hardhat, JavaScript libraries/frameworks

Blockchain cli tool (Rust)
Mar 2024
- Designed and implemented proof-of-work consensus mechanism .
- Demonstrating basic functionalities like creating blocks, mining, and rewarding miners

SKILLS & COMPENTENCIES

- **Technical Skills:** Smart Contract Development & Deployment, Structural Analysis, Decentralized Finance(Defi), Cryptography, Smart Contract Auditing.
- **Programming Languages:** Solidity, Rust, JavaScript, C, Python, HTML, CSS.
- **Tools/Frameworks:** Hardhat, Foundry, Ether.js, Next.js, React.
- **Version controls:** Git/GitHub
- **Others:** Zero-Knowledge proofs, Layer 2 solution, EVM, Problem Solving, Data Structure and Algorithms.

EDUCATION

B.Tech, Mathematics and Computing (CGPA - 7.7/10)
2021 - May 2025
Rajiv Gandhi Institute of Petroleum Technology
 (*An Institute of National Importance, Government of India)*
- Mathematics: Discrete maths, Linear Algebra, Statistical Methods, Financial Engineering.
- Computational: Data Structure & Algorithms, Deep Learning, AI, Computer Networks.

Achievements: Attained a position among the **top 8%** of candidates, outperforming **0.25 million** students in the most competitive **JEE Advanced** examination in India.