Muhammad Mujtaba Rehman

+92 309-4521825   GitHub: mujee7
mujtabarehman1444@gmail.com   Portfolio: muhammad-mujtaba-rehman.vercel.app

I am an experienced blockchain developer with 1.5 years of dedicated learning and development experience in the field. My expertise lies in Solidity, the primary programming language for Ethereum smart contracts, and I possess a comprehensive understanding of its features, including storage and testing. Additionally, I have a strong grasp of major smart contract vulnerabilities and have nearly completed challenging tasks such as Ethernaut and Damn Vulnerable Ethereum Contract. My practical experience extends to working with renowned protocols such as Uniswap, Balancer, 1inch, Curve, and Quickswap, among others. I am also proficient in front-end development, further enhancing my skill set. With my technical prowess and in-depth understanding of smart contracts, I am confident in my ability to contribute to the success of your team.

SKILLS

Tools and Languages	Javascript, React, Web3js, Ethersjs, IPFS, HTML, and CSS/Bootstrap
Blockchain Skills	Solidity, Truffle, Ethereum Virtual Machine, chai, Ganache
Protocols Knowledge	UniswapV2, UniswapV3, 1inch, Balancer and dydx
Soft Skills	I am a quick learner, a team player, and apt at working in highly collaborative environments

EDUCATION

Bachelors in Computer Science, *COMSATS University Islamabad*   Sept 2019 — Present
Undergrad Courses:
Artificial Intelligence, Game Development, Website Development, Data Science, Data Structures, Application Development
Coursera Certifications:
Blockchain Basics, Python Data Structures, Programming Fundamentals

PROJECTS

NFT Minting Site
- A user-friendly NFT minting platform offering a comprehensive overview on the home page, the ability to mint new NFTs on the mint page, and a showcase of all minted NFTs on the collections page.
- Additionally, the NFT page provides in-depth information on individual NFTs and their owners, while the account page allows for easy management and transfer of NFTs.

Decentralized Bridge
- Our platform establishes a secure bridge between the Mumbai blockchain and BSC testnet, enabling seamless token transfers.
- Users can contribute liquidity to the bridge and earn fees as rewards for enhancing the transfer process.
- Our bridge facilitates effortless token transfers, promoting interoperability between the Mumbai blockchain and BSC testnet.

Limit Order Exchange
- Built a smart contract for an exchange which allows buyers to purchase tokens on the platform. For purchase, the buyers first deposit the tokens to be used as payment and then withdraw their desired Ethers/tokens.
- The contract enables sellers to fulfill purchase orders on the exchange and users to cancel their orders.
- Secured the smart contract against malicious users that aim to defraud an exchange.

Arbitrage Trading Bot
- Created a web3js program that looks for arbitrage opportunities on UniswapV2 and its different forks.
- The bot watches every trade on every pair of tokens and waits for a profit opportunity and then executes a trade.
- I have also created a smart contract that's called by the bot to do the transactions on the provided routes.

Decentralized Exchange
- Developed a fully decentralized platform utilizing the principles of Uniswap V3 methodology on Mumbai testnet.
- Users have the ability to create their own customized pools on our platform, tailoring token combinations to their specific preferences.
- Users can easily add liquidity to the pools they create, ensuring a smooth and efficient trading experience for all participants.
- Our platform enables users to effortlessly swap tokens, providing a convenient and user-friendly environment for executing transactions.

WORK EXPERIENCE

• Software Engineering Trainee at Narsun Studios	Apr 2023 — Present
• Blockchain Developer at DS Legends Pte. Ltd. (Part time)	Feb 2023 — May 2023
• Head of DEX Operations at DATXOC (Contract)	Oct 2022 — Present
• Technology Consultant at DATXOC (Part time)	July 2022 — Oct 2022
• Blockchain Developer Intern at Digitales	Aug 2022 — Jan 2023
• WordPress/Shopify Developer at Digitales	Aug 2021 — July 2022