

Divyyesh Chandra

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PROFESSIONAL SUMMARY

I am a skilled Blockchain Developer with a comprehensive skill set encompassing Smart contract development, Decentralized application (DApp) creation, Blockchain architecture design, and Decentralized finance (DeFi) application expertise. My experience extends across various blockchain platforms, enabling me to architect robust and secure solutions tailored to specific project requirements.

SKILLS SUMMARY

- **Language:** Solidity, C/C++, JavaScript, Python
- **Blockchain :** Blockchain Architect, DApp, DeFi, Smart Contracts, EVM, Consensus, Hyperledger, Zk proofs, Zk snarks
- **DB:** IPFS, MongoDB, DynamoDb, MySQL
- **Frontend:** Reactjs, Nextjs
- **Backend:** Nodejs
- **Dev:** AWS VMs, AWS Rds

WORK EXPERIENCE

D Frame Foundation - Full Stack Web3 Developer:

Den Haag, The Netherlands(Remote)

September 2022 - September 2023

- Managed the 'Reward Engine' project and developed a ERC-20 **Smart Contract** to facilitate user rewards with tokens(DFT) deployed on the **Layer2(L2)** Polygon Blockchain for Ethereum. Utilize **Web3py** to manage contract interactions and deployed contract wallet private key, enabling batch signing of multiple automated transactions for seamless tokens(DFT) transfers to users for the data they shared passing through **Apache kafka** into MongoDB.
- Implemented the **Cryptography Advanced Encryption Standard(AES)** for encrypting electronic data coming from the browser extension through Apache kafka into the MongoDB. Additionally, configured an **Interplanetary File System(IPFS)** node for Production use, enabling secure storage of the encrypted electronic data on the **Production IPFS node**.
- Researched about the **Cross-Chain Compatibility** to transfer **ERC-20** tokens on the L2 Polygon into another Ethereum compatible blockchain. Wrote script to securely store (**AES**) **private keys** in Amazon RDS using MySQL and to store Interplanetary File System (**IPFS**) **content identifiers(CIDs)** in Amazon DynamoDB.

PROJECTS

Token Staking DeFi - A Decentralized Finance App:

Demo Link

- Developed and designed a **Decentralized Finance App** where users can stake **DBC token** for 7 Days, 10 Days, 30 Days and 90 Days and get an interest return for those tokens.
- Deployed the **Smart Contract** for both ERC-20 token and Staking Logic on the **L2 Polygon Mumbai** Blockchain.
- Used **Hardhat** to deploy and test the smart contract and **Ethers** to connect the frontend to smart contract.

Tools/Technologies used: Polygon Mumbai, Solidity, Harhdat, MetaMask, Ethers, HTML, VS code.

NFT Minting App - A Decentralized Application:

Demo Link

- A Decentralized NFT minting website operates on the **Goerli Ethereum Testnet**, where users can mint NFTs associated with their **Public Addresses**, each with a distinct **Token ID**.
- The website leverages pre-saved **AI-generated** images stored on the **IPFS Node** for NFT creation.
- Users can effortlessly claim **NFTs** with a simple click on the **Mint** button.
- Used MetaMask wallet to manipulate the **Gas fees** and signing the **Transactions** for non **View** and non **Pure** functions.

Tools/Technologies used: Blockchain, Goerli, Solidity, VS code, Meta Mask, Ethers.js., Infura.io, Hardhat, Reactjs.

Uniswap Clone App - A Decentralized Swapping Tokens Application:

Demo Link

- A **Decentralized Application** where users have the ability to **Swap Matic Mumbai** tokens for various other coins like CoinA, CoinB, and CoinC, they can also perform reverse swaps and, lastly from one coin to another.
- The **Smart Contract** for Swapping tokens is deployed on the **L2 Polygon Mumbai** Blockchain.
- Used **Hardhat** to deploy and test the smart contract and **Ethers** to connect the frontend to smart contract.
- Used MetaMask wallet to manipulate the **Gas fees** and signing the **Transactions** for non **View** and non **Pure** functions.

Tools/Technologies used: Polygon Mumbai, Solidity, Harhdat, MetaMask, Ethers, Reactjs, VS code.

EDUCATION

• **Bharati Vidyapeeth's College of Engineering**

• *Bachelor of Technology - Computer Science and Engineering CGPA: 8.2*

Delhi, India

July 2019 - July 2023