Harsha Singamshetty

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WORK EXPERIENCE

Rapid Innovation   **Goa, India**
Blockchain Developer   *Jun 2022 - Present*

- Led the Blockchain team for **"Dibz"** an online stock price prediction game platform.
- Developed a **Smart Contracts** for the Dibz project, passing internal audits with zero vulnerabilities, and successfully deployed it on Binance Smart Chain.
- Created Subgraphs utilizing the **Graph protocol** to efficiently index Dibz project contracts.
- Worked in both Blockchain and **Backend** team for the **"Orasis"** project, a token distribution platform deployed to the Polygon chain, with the backend developed using **NestJS**.
- Successfully implemented a **Merkle tree** approach for efficient airdropping tokens to the users of the platform.
- Developed and maintained backend microservices for the internal product built for meetings/calls using **AI "Arcadia"**, focusing on the creation of admin and user **Microservices** using NestJS**.
- Implemented efficient communication between microservices using **gRPC** methodology.
- Developed smart contracts for the **DeFi** project "Funtico" utilizing the **Foundry** framework.
- Built the Voting Escrow contracts, forked from **Velodrome** V2 Finance, to enhance the project's governance and decision-making processes.

Optum (UHG)   **Chennai, India**
Software Developer   *Jul 2021 - Jun 2022*

- Collaborated on the development and maintanance of CCC, a robust **web application** built on the ASP.NET framework using **MVC** architecture and the data being manaaged on the **AWS**
- CCC serves as a Hospital Management Application trusted by over **100** companies across the United States, contributing to efficient healthcare operations and data management.
- Also helped in managing direct client requests for the **Data Hub Analytics** platform, ensuring timely delivery of customized reports and increasing client satisfaction by 20%.

Hewlett Packard (HP)   **Bangalore, India**
Software Developer Intern   *Feb 2021 - Jul 2021*

- Worked on implementing efficient backend solutions for an internal HP website built on NestJs.
- Learned utilising AWS cloud services for data management

PERSONAL PROJECTS

Sign On Chain
https://sign-on-chain-nu.vercel.app/

- Created "Sign on Chain," an on-chain **document acknowledgment** platform, enabling users to upload files and request signatures using wallet addresses.
- Implemented a secure system where signatures are stored on **IPFS** as **NFTs**, ensuring tamper-proof acknowledgments.
- Developed a user-friendly feature allowing users to send **e-signature** requests directly via **email**, making the process seamless and efficient.
- Ensured the security of the system by designing access controls, which restrict signature generation and signing to only the **intended** recipient's **wallet address**, enhancing privacy and confidentiality.

NFT Marketplace
https://nft-marketplace-pink-one.vercel.app/

- Conceptualized and developed an **NFT marketplace** that empowers users to mint their own NFTs by setting prices and uploading images, securely stored on **IPFS**.

- Established a dynamic marketplace where users can seamlessly **list and purchase** NFTs, enhancing accessibility to the world of digital collectibles.
- Designed and implemented a user-friendly **profile** section, providing users with a comprehensive overview of their NFT holdings, including a calculated total value based on their wallet address.

CrowCoin

https://crowd-coin-chi.vercel.app/

- Pioneered "Crowd Coin," a dynamic **crowdfunding** platform that allows users to create campaigns, articulating their causes and objectives.
- Engineered a transparent system where any user can contribute ETH to **campaigns**, becoming donors/investors in support of the stated cause.
- Implemented a secure and accountable process, where campaign owners can **request fund withdrawals**, subject to approval by at least **50% of the donors,** ensuring trust and safeguarding against fraudulent campaigns.
- Demonstrated a commitment to transparency, accountability, and the prevention of fraudulent activities within the crowdfunding space, enhancing the credibility of the platform for both campaign creators and contributors.

CryptoVerse

https://cryptoverse-sigma-drab.vercel.app/

- Created "Cryptoverse," a comprehensive crypto information hub providing users with real-time data on **coin prices**, market capitalization, **trading volumes**, market ranks, and more.
- Designed and implemented a user-friendly "**Saved Coins**" page, enabling users to closely monitor and manage their selected coins, enhancing their crypto investment journey.

CryptoLegacy

https://devfolio.co/projects/crypto-legacy-b7c1

- Pioneered "Crypto Legacy," an innovative platform that empowers users to create legally binding wills for their **crypto assets**, ensuring the seamless **transfer** of digital wealth to multiple beneficiaries on the **blockchain**.
- Developed a user-friendly interface enabling individuals to select and approve specific assets along with their **desired** allocation to **beneficiaries**.
- Leveraged the **Chainlink automation** to schedule the execution of these crypto asset wills at predetermined future times, offering users a reliable and automated solution for asset distribution.
- Built as a team for ETHIndia'22 hackathon.

SKILLS

Solidity, Ethereum, Hardhat, Foundry, Graph Protocol, HTML, CSS, JavaScript, TypeScript, React, Tailwind
Skills: CSS, Next JS, Node JS, MongoDB, Nest JS, Postgres DB, SQL, EVM chains, Python, Data Structures, Algorithms, IPFS, AWS

EDUCATION

SASTRA University   **TamilNadu, India**
Bachelors of Technology (Information Technology)   *Graduation Date: Jul 2021*

MISCELLANEOUS

- Successfully competed and secured sponsor prizes totaling more than 500 USDC during the **ETHIndia**'22 Hackathon.
- Participated and received sponsor prizes in the **Web3HackFest'23 Hackathon**.
- Demonstrated strong problem-solving skills by conquering more than **400 Data Structures** and algorithmic challenges across platforms including LeetCode, GeeksForGeeks, and HackerRank.