

SUHAS KANDKUR

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EDUCATION

BMS Institute of Technology

B.E/B.Tech in Computer Science

Bengaluru, Karnataka

Dec. 2020 – May. 2024

SUMMARY

Aspiring software developer with strong C++ fundamentals and data structure proficiency. Experienced in full-stack development using MERN stack. Passionate about blockchain technology, with hands-on project experience in Solidity and decentralized applications.

EXPERIENCE

FullStack developer

on contract

[Demo](#) [Website](#)

March 2024- May 2024

- Developed React frontend and Node.js backend for a centralized crypto exchange. Used MongoDB for data storage and Zustand for state management.
- Implemented Google OAuth 2.0 from scratch, integrating with existing JWT authentication. Built and tested admin-side functionality and setup Rest-API routes.
- Conducted comprehensive testing across the entire codebase, identifying and resolving bugs to improve overall system stability and performance.

Security Researcher

code4rena and sherlock

March 2023- Oct 2023

- Developed a **proficiency** in rapidly **visualizing** and **outlining** the **structure** of complex smart contract **protocols**. Ability to **identify** and **navigate higher-risk areas of code**.

PROJECTS

Fundraiser Dapp | Solidity, React, JavaScript, TypeScript, Next.js, Vite, Hardhat, Polygon [Live-v1](#) [Live-v2](#)

- Decentralized crowdfunding platform with next.js(v1)/typescript(v2) as frontend and blockchain as backend, deployed on polygon amoy network.(v2) Implemented a **feature to authenticate users** based on **KYC-linked Soulbound NFT's** from Binance Exchange, enhancing the security and reliability.

Custom Ethereum Token: DEX, Rewards, NFTs | Solidity, Node.js, Next.js, Biconomy SDK, Hardhat, Polygon

- Created a custom ERC20 token. Built **DEX(Decentralized Exchange) using AMM protocol**, enabling seamless token swaps and efficient liquidity management. Integrated rewards for liquidity providers. Enabled **NFT minting for users** meeting token **criteria** [Whitelist](#) [Mint-NFT](#) [Exchange](#)

Distributed Cryptocurrency Data Aggregator with Signature Validation | Rust, Tungstenite, Ring [Code](#)

Automated website and extension actions simultaneously | Selenium Webdriver, JavaScript [Code](#)

Fitness Blog | MongoDB, Express, React, Node, JWT [Code](#)

TECHNICAL SKILLS

Languages: C++, Solidity, Python, Java, HTML/CSS, JavaScript, SQL

Developer Tools: VS Code, Eclipse, Android Studio, Remix

Technologies/Frameworks: GitHub, Mongo db, Express Next.js, Typescript, Node.js, GraphQL, Hardhat, Foundry, Mythril, Slither, Blockchain, Ethereum

Libraries: React, Openzeppelin

ACHIEVEMENTS/EXTRA-CURRICULAR ACTIVITY

- Led a team of four to create and deliver a winning project during the BMSIT PBL(project based learning) competition in both the Third and Fifth semesters.
- Solved 600+ problems in cpp across various platforms. [Leetcode](#) [GeeksForGeeks](#) [Interviewbit](#)
- Completed Ethereum Developer Degree from LearnWeb3. React from React.gg. node from LearnNode.