

KRUTIDEEPA TRIPATHY

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Projects:

1. Web3-Binomo

A DeFi platform that simulates real-world financial markets by integrating real-time stock market APIs to create dynamic trading scenarios. Users are required to own and stake NFTs to participate in the simulation and earn rewards, ensuring a decentralized and gamified trading experience.

- **Technology Stack:** Reactjs, Nodejs, Docker, Kafka, Solidity, Etherjs, WebSocket

2. AVAX-Bazar:

This project implements a decentralized lending protocol on the Avalanche blockchain, enabling seamless interaction between lenders and borrowers. Lenders can deposit AVAX into a smart contract-powered liquidity pool to earn daily interest, while borrowers can obtain AVAX loans by locking ERC-20 tokens as collateral.

- **Technology Stack:** Next.js, Node.js, Express, TypeScript, PostgreSQL, Prisma, Hardhat, Solidity, Docker

3. Mark-Me:

Developed an attendance tracking system which uses automates the manual attendance to Geo-location based attendance, designed for employers and employees which tracks check-in/check-out with facial recognition for enhanced security. It uses the Haversine algorithm to accurately calculate the distance between the user's current location and the geo-fence boundary

- **Technology Stack:** Reactjs, Nodejs, Express, Kafka, Docker, Redis, MongoDB

4. Dojo-Locker:

This projects implements the Document Verification through Digital Signature. It ensures data integrity of documents using cryptographic hashing, RSA and blockchain-backed IPFS storage. It can also mint a NFT, by the templates provided and can store them in the user's wallet.

- **Technology Stack:** Go lang, React, SMTP(mailer), Python, Docker, Postgres, IPFS, Solidity

Technologies Used:

C++, Javascript/Typescript, React, Nextjs, Nodejs, Redis, Kafka, MySQL, Postgres, MongoDB, Git/Github, AWS, Solidity, Hardhat, truffle, Etherjs, Docker, GraphQL, System Design.

Achievements and Participations:

- **CodeFort inter college Hackathon first runner up**
- **Koii Campus Ambassador:** I served as a Centurion University campus ambassador, promoting cryptocurrency and blockchain awareness on campus. Through events and workshops, I facilitated discussions on blockchain's practical applications and its impact, fostering a vibrant crypto community

Education:

1. **BCA | Centurion University of Technology & Management, Bhubaneswar (CUTM), | CGPA: 8.7 | 2023-2026**
2. **12th | Indira Gandhi Womens Higher Secondary School, Cuttack | Percentage: 82.2 | 2021-2023**