

PRAYAS PAL

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SUMMARY

As a Computer Science undergraduate with a strong inclination towards back-end development, I am passionate about exploring cutting-edge frameworks and the evolving landscape of Web3 technologies. With a robust foundation in front-end, back-end and Web3 development, I am eager to leverage my skills to contribute to innovative projects and continue expanding my expertise in the rapidly advancing field of Web3.

EDUCATION

Bachelor of Technology in Computer Science Engineering

Techno Main Salt Lake

2027

Kolkata, WB

SKILLS

Programming Languages

Solidity, TypeScript, Python, JavaScript, C, Java

Backend Technologies

Flask, Express.js, Node.js, SQLite, MySQL, MongoDB, PostgreSQL

Frontend Technologies

React.js, Next.js, Tailwind CSS, Bootstrap CSS

Web3 Development

Foundry, HardHat, Wagmi

PROJECTS

Nebula • <https://github.com/Prayas-35/Nebula>

Nebula is a decentralized crowdfunding platform giving donors voting rights over fund distribution.

- Developed the frontend using Next.js, enabling seamless user interaction with crowdfunding campaigns.
- Integrated wallet connections and blockchain interactions with RainbowKit UI and wagmi for a smooth experience.
- Wrote and deployed smart contracts in Solidity using Hardhat, managing campaign funds and donor voting rights.
- Tested and deployed contracts on multiple testnets ensuring functionality across networks.

AITNode • <https://github.com/Prayas-35/altnode>

AITNode is a decentralized AI agent marketplace that enables users to create, own, and monetize AI agents as NFTs on the Arbitrum blockchain.

- Developed and deployed ERC-721 contracts for AI agent NFTs and ERC-20 token contracts for AI-powered economies.
- Designed and implemented frontend pages using Next.js, Tailwind CSS, and TypeScript for AI agent creation and marketplace interaction.
- Secured AI metadata with Lit Protocol encryption.
- Implemented Web3 onboarding using OnchainKit.

Coordina • <https://github.com/Prayas-35/Coordina>

Coordina is an urban governance platform that streamlines inter-departmental collaboration and project management for Indian cities.

- Built a real-time dashboard with Next.js and MongoDB to track project timelines and resource allocation.
- Implemented real-time chat functionality using Convex for seamless communication between departments.
- Developed a RAG chatbot trained on conflict resolution data for automated emergency response and real-time mediation between city departments.
- Designed a responsive UI using Tailwind CSS, ensuring seamless accessibility across devices.

ACHIEVEMENTS

- Smart India Hackathon 2024 Finalist.
- Runner up at Edu Chain regional hack Kolkata.
- AI/ML track winner at Binary '25.
- Runner up at Hult Prize 2024 on-campus round.
- Selected as one of the top 500 participants out of 6,000+ applicants at Unfold '24.
- Earned an OnChain credential for contributing as a builder at Based India 2024.