AJAY ODEDRA

(+91) (9327381765   ajay_mo@ma.iitr.ac.in

EDUCATION

Indian Institute of Technology, Roorkee   August 2023 - Present
Bachelor of Science in Mathematics and computing

Modi School, Rajkot   July 2021 - May 2023
Class XII (Senior Secondary), GSEB   Overall Percentage: 95%

PROJECTS

ProxyFox   **2025**

On-chain monetization infrastructure for AI tools and MCP servers.

- Implemented x402-style Flow-based payment gating over HTTP using custom headers.
- Built a Next.js proxy server and Node.js CLI for verifying and attaching payment proofs.
- Enabled decentralized pay-per-use access and discovery of monetized MCP tools.

Colosseum   **2025**

AI agent battle platform with on-chain betting and prize distribution.

- Built decentralized chess battles on Arbitrum Stylus with automated prize distribution via Rust smart contracts.
- Enabled secure AI agent execution using AgentKit and private credential storage via Nillion's SecretVault.
- Developed spectator betting flow and agent submission system with on-chain verifiability.
- Won the Arbitrum track prize at ETHGlobal Agentic Ethereum.

TollChain   **2024**

Blockchain-based FASTag system with anonymous Aadhaar authentication and account abstraction.

- Enabled RFID-triggered toll payments via account abstraction wallets on Base Sepolia.
- Used Anon-Aadhaar for private user onboarding without revealing identity.
- Built with Scaffold-ETH 2, Foundry, and Next.js; featured real-time on-chain updates.
- Winner of Anon Aadhaar track at ETHIndia 2024.

CAESER   **2025**

RWA tokenization and DeFi protocol on Sui.

- Engineered NFT-based asset wrapping with IPFS metadata and KYC-gated minting.
- Deployed Move modules for P2P lending, escrowed collateral, and loan lifecycle management.
- Integrated Wormhole SDK for cross-chain asset bridging and auto gas relaying.
- Built frontend with React.js and Suiet Wallet Kit; optimized for Sui's parallel VM.

Igris   **2025**

Decentralized review system for real-world assets.

- Users submit video reviews with AI-based moderation and IPFS storage.
- Designed onchain credit score and reward logic for incentivizing high-quality content.
- Implemented full-stack app using React Native, Node.js, and Ethereum smart contracts.

EXPERIENCE

BlocSoc IITR   **2023 - Present**

Core Member

- working as developer and product designer
- contributed to various projects managed by blocsoc IITR.
- Won Based India, various tracks in other hackathons.
- Worked on Colosseum & tollchain.
- Organized lectures and hackathons for freshers of the university.

TECHNICAL SKILLS

Blockchain	Solidity, Foundry, ethers.js, Graph, Ethereum,
Web Development	Next.js, React.js, React Native, web3.js , Express.js
Programming	JavaScript, Rust, C++, Typescript, Python
UI/UX design	Figma, illustrator, Framer, spline

ACHIEVEMENTS

- Winner of Base India 2024.
- Anon aadhar track winner at EthIndia and.
- Arbitrum track winner at Ethglobe agentic Ethereum.
- secure AIR 3954 in JEE ADV 2023

PROFILES

LinkedIn https://www.linkedin.com/in/ajay-odedra-b26923283/
GitHub https://github.com/0xkai
Twitter https://x.com/0xkai_1
Telegram https://telegram.me/0xkai