

Pratik Rai

+91 88888 24181 | raipratik0101@gmail.com | [LinkedIn](#) | [GitHub](#) | [X](#) | pratikrai.dev

EDUCATION

Yeshwantrao Chavan College of Engineering

Nagpur, India

B.Tech. in Computer Science Engineering (IoT Specialization) | GPA: 7.8/10

July 2023 – June 2027

- Relevant Courses: Advanced DBMS, Data Structures & Algorithms, Distributed Systems, OOP, IoT Systems.
- Research: Published IEEE paper: **ThinkDiff-SLM** – masked diffusion language model for edge AI deployment.

EXPERIENCE

Junior Software Developer

Remote

DIMO — Roro Birds & Zebra Swap (Web3 Automotive Data Platform)

Apr 2025 – Oct 2025

- Engineered NFT-based tournament registration & on-chain prize distribution in Solidity, onboarding 1,000+ users.
- Implemented zkSync Era for gas-efficient L2 validation, reducing transaction fees by 65% vs L1 fallback.
- Built React dashboards consuming live on-chain data via Web3 hooks (Wagmi/Viem) with real-time WebSocket updates.
- Co-architected cross-chain DEX aggregator using CoinGecko & Reown APIs for seamless swaps across 10+ tokens.

OPEN SOURCE CONTRIBUTIONS

OpenClaw | TypeScript, AI Agents | [GitHub](#)

2026

- Merged PR fixing missing model definitions in the config pipeline, enabling support for 5+ additional LLM providers.
- Performed branch cleanup and code refactoring to improve maintainability of the CLI-based orchestration system.

mem0 | Python, LLM Memory | [GitHub](#)

2026

- Merged PR #4956 resolving an edge case in memory retrieval logic, optimizing embeddings for production-scale AI agents.

PROJECTS

NeoSwarm | Python, React (TypeScript), Tauri, Rust, Ollama | [GitHub](#)

2026

- Architected a local-first AI swarm orchestrator with a Team Lead Agent delegating missions to parallel worker agents.
- Engineered a native Python AgentLoop, replacing proprietary SDKs with a unified registry for zero-cloud dependency.
- Developed a tri-tier interface: React/Tauri GUI for dashboarding, Textual TUI for terminal workflows, and a Python CLI.

Evo2 Variant Analysis Platform | Next.js, FastAPI, Solidity, Modal | [GitHub](#)

2025

- Winner – BNB Hack Kerala (DeSci Track).** Built a decentralized genomic variant analysis platform powered by Google's Evo2 model.
- Deployed BNB Chain contracts for Genome NFT minting and integrated Modal serverless inference, reducing analysis latency by 40%.

Enduride | React Native, Arduino, Solidity, IoT | [GitHub](#)

2025

- Winner – Enduraverse Hackathon (INR 1,00,000).** Developed a telematics dongle collecting 10+ driving parameters/sec; reduced crash alert latency to less than 5s.
- Achieved 98% accuracy on predictive maintenance models; blockchain trip logs improved emergency response times by 60%.

TECHNICAL SKILLS

Languages: TypeScript, Rust, Python, Solidity, JavaScript, C++, Java

Frameworks: React, Next.js, FastAPI, Node.js, Express, Wagmi, Viem, Hardhat

Tools & AI: Multi-agent Systems, LLM Orchestration, RAG Pipelines, Vector DBs, Docker, Arch Linux, PostgreSQL, Redis

Blockchain: zkSync Era, BNB Chain, ERC-721/1155, DeFi Protocols

ACHIEVEMENTS & LEADERSHIP

Chairperson, Codeware (2025–Present): Leading the premier coding community at YCCE; overseeing technical workshops and national hackathons for 500+ members.

Vice Chair, IEEE CS @ YCCE (2024–2025): Organized HackNexus 2.0, CodeRush 1.0, & Enigma 2.0 (3,000+ participants).

Awards: BNB Hack Kerala Winner (DeSci) | Enduraverse Winner (INR 1,00,000) | HackGenX Winner (INR 50,000) |

Hack-A-Thon Winner SVP CET (INR 50,000) | SIH 2025 Finalist.

Finalist in 15+ national & international hackathons | National Debate Champion, Rank 1 Eagle, YCCE Eagles Club.