

ROHAN REDDY

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PROFESSIONAL SUMMARY

Detail-oriented and self-motivated Computer Science undergraduate and tinkerer with hands-on experience in blockchain, full-stack web development, deep learning, and building Custom PCs. Skilled in building scalable decentralized applications, RESTful systems, and real-time AI solutions. Adept at optimizing system performance, applying cryptographic security, and delivering measurable outcomes, and seeking to contribute to innovative software teams where performance, security, and user experience are priorities.

EXPERIENCE

MindMatrix (Bengaluru – Remote) — *Android App Development using Gen AI Intern* Ongoing

Innominds (Hyderabad – Remote) — *Software Engineering Intern* Aug 2025 – Nov 2025

- Built prototype projects on LangChain and Agno agent frameworks, enabling AI-driven workflows.
- Designed and deployed modular components that reduced integration time by ~25%.
- Collaborated in an Agile team environment, participating in code reviews and sprint planning.
- Continuing to build robust, scalable, and innovative solutions for the biggest IT Sectors.

PROJECTS

Blockchain-based Data Integrity System (DISAC) | *C++, OpenSSL, Crow, SQLite3*

- Developed a blockchain-based credential verification system, improving validation speed by 93% compared to manual checks.
- Built a secure backend using C++ and OpenSSL, implementing digital signatures and cryptographic hashing.
- Designed REST APIs for real-time credential queries, reducing query latency to <200ms.

Portfolio-Website | *HTML5, CSS3, JavaScript, React, Node.js + Express, WebSockets, CloudFlare Tunnel*

- Built a React + TypeScript portfolio with Tailwind CSS and Wouter, ensuring full mobile/desktop responsiveness.
- Integrated PostgreSQL backend via Drizzle ORM + Express for dynamic, secure content management.
- Used WebSocket + Tan Stack Query for real-time updates, cutting fetch latency by 35% vs REST.

Neo AI Assistant Project | *Python, PostgreSQL, LangChain/Agno, LMStudio*

- Built a PostgreSQL memory module to retain conversational context, cutting repeated prompts by 40%.
- Integrated LM Studio API for real-time responses with <200ms latency on 90%+ of queries.
- Automated unit & integration tests with 85%+ coverage, reducing bugs by 60% pre-deployment.

CERTIFICATIONS & ACHIEVEMENTS

- **Certification:** NPTEL – Python for Data Science (Score:72%), Machine Learning with Python IBM (Score:94%)
- **Certification:** Infosys Springboard – Cloud Computing, Architecting Cloud Solutions on Azure
- **Hackathon:** Flipkart GRiD 6.0 – National-level participation
- **Assessment:** Naukri.com NCAT – Scored 27,404

TECHNICAL SKILLS

Programming Languages: Python, C++, Solidity, JavaScript

Web Technologies: HTML5, CSS3, React, Web3.js

Blockchain: DApps, Solidity, Ledgers, Smart Contracts

Tools & Platforms: Git, VS Code, PyCharm, Draw.io, Docker (basic), Ollama/LMStudio

AI/ML: PyTorch, OpenCV, CUDA, Deep Neural Networks

Development Practices: REST APIs, Agile, Version Control, Unit Testing

EDUCATION

B.E. in Computer Science – Vemana Institute of Technology

2022 – 2026