KIRAN KUMAR CH

Chennai, Tamil Nadu | +91 9841067579 | [Email](#) |[LinkedIn](#) |[LeetCode](#)| [GitHub](#)| [Portfolio](#)

Education

VIT Bhopal University, Bhopal, Madhya Pradesh, India

B.Tech Computer Science Engineering (Cyber Security and Digital Forensics)   Expected May 2026

Cumulative GPA: 8.41

Technical Skills

Programming Languages: Java, Python, C++, Kotlin, DSA, OOP
Web/Mobile: HTML, CSS, JavaScript, Flutter, Android Studio, Firebase
Cloud/Tools: AWS (EC2, S3, IAM), Ghidra, Wireshark, OWASP ZAP, MongoDB
Operating Systems: Windows, Linux
Language: English, Telugu, Tamil, Hindi
Certificates: Oracle Gen AI Professional, Oracle Cloud Associate, IBM Cyber Security Analyst, Oracle Java Foundations Associate, Oracle Architect Associate, Cyber Physical Systems (NPTEL)

Professional Experience

The Red Users (Cyber Security Intern)   **Feb 2025 – Mar 2025**
- Automated malware analysis workflows using Python to reduce manual effort.
- Analyzed network packets using Wireshark and identified anomalies.
- Performed web app testing using OWASP ZAP and suggested backend security fixes.

StayChat AI (Software Developer Intern)   **Ongoing**
- Built responsive UI components for an AI-powered customer support platform using React & Tailwind.
- Developed dashboards, chat interfaces, and message workflows improving performance and UX.
- Integrated AI-driven response modules with REST APIs and optimized component architecture.
- Managed GitHub repos, resolved merge conflicts, and improved build reliability.

Projects

Streamlined Malware Analysis with Ghidra (Python, C++)   **Dec 2024**
- Utilized reverse engineering, symbolic analysis, and memory mapping via Ghidra for malware inspection.
- Developed custom C++ scripts to automate repetitive analysis tasks, enhancing vulnerability detection efficiency.
- Contributed to a research paper on novel Ghidra-based malware analysis methods.

Health Oracle – AI-Driven Health Assistant (React Native, FastAPI, ML)   **May 2025**
- Designed a mobile app that integrates wearable device data with ML models for disease prediction and personalized health insights.
- Built APIs with FastAPI for secure integration between AI models and the mobile application.

FarmEasy – Smart Farmer–Buyer Platform (Android Studio, Kotlin, Firebase)   **Ongoing**
- Developed a farmer-to-consumer marketplace addressing challenges of middlemen, logistics, and fair pricing.
- Integrated farmer listings, buyer inquiries, secure transactions, logistics support, and notifications, ensuring transparent trade.

Hackathons & Activities

SIH 2024: Built an urban mobility solution focused on routing and user experience.

NCC: Demonstrated leadership, discipline, and teamwork during training and camps.