

KIRAN KUMAR CH

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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

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

Hackathon Experience: Skill India Hackathon 2024, Built an urban mobility solution at Namma Yatri Hackathon

Language: English, Telugu, Tamil, Hindi

Certificates: IBM Cyber Security Analyst, Oracle Java Foundations Associate, Cisco Junior Cybersecurity Analyst, Cyber Physical Systems (NPTEL)

Professional Experience

Cyber Security Intern [\[Link\]](#)

Virtual

Feb 2025 – Mar 2025

The Red Users

- Analysed malware, phishing attacks, and secured networks (WPA2/WPA3, Windows Defender).
- Detected threats through Wireshark-based traffic analysis.
- Performed web app security testing (OWASP ZAP, WebGoat) exploiting SQLi, XSS, and CSRF.

Projects

Streamlined Malware Analysis with Ghidra (Python, C++)

- 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)

- 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)

- 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.

Extracurricular Activities

National Cadet Corps (NCC) – Member

VIT Bhopal | October 2023 – May 2024

Demonstrated discipline, leadership, and teamwork through participation in drills, camps, and community service initiatives.