

KIRAN KUMAR CH

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EDUCATION

Bachelor of Technology in Computer Science Engineering with Cyber Security and Digital Forensics

VIT Bhopal University, Sehore / CGPA: 8.32

(September 2022 – Present)

Higher Secondary Education (12th)

Bharani Park Higher Secondary School, Karur, Tamil Nadu / Percentage: 72.80%

(May 2022)

Secondary Education (10th)

Bharani Park Higher Secondary School, Karur, Tamil Nadu / Percentage: 70.40%

(May 2020)

PROFESSIONAL EXPERIENCE

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

The Red Users | February 2025 – March 2025

- Analyzed malware, phishing, and secured networks (WPA2/WPA3, Windows Defender).
- Detected threats via Wireshark traffic analysis.
- Tested web apps (OWASP ZAP, WebGoat); exploited SQLi, XSS, CSRF.

UNIVERSITY PROJECTS

Malware Analysis Signature-Based Using Static and Dynamic Analysis [\[Link\]](#)

(October 2023)

Description: Analyzed malware behavior, attack vectors, and risks using signature-based, static, and dynamic methods. Delivered insights for threat detection and mitigation; authored technical documentation and research paper.

Role: Research Paper, Documentation, Static Threat Detection.

Streamline Malware Analysis Using Ghidra [\[Link\]](#)

(May 2024)

Description: Performed reverse engineering, symbolic/string analysis, and memory map inspection using Ghidra.

Highlights: Automated analysis with custom C++ scripts, boosting efficiency and vulnerability detection.

Co-authored research paper on novel Ghidra-based malware analysis techniques.

Role: Research Paper, Documentation, Memory Map, Symbol Tree, Scripting.

Health Oracle [\[Link\]](#)

(Ongoing)

Description: Developing Health Oracle, an AI-driven mobile application that analyzes data from wearable devices to predict potential diseases and provide personalized health assistance.

Highlights: Leveraged machine learning models for disease prediction and AI for tailored user experiences.

Technology: React Native, FastAPI, Machine Learning Models, AI for Personalized Experiences.

Role: App Development, API Integration (ML and App).

Tools: React Native, FastAPI.

SIDE PROJECTS

Anadhanam App (Bhojan Seva)

- **Description:** Built an app for meal donations with real-time availability, notifications, and tax receipt generation.
- **Highlights:** Included login, feedback, gallery, payments, and 24/7 chat support.
- **Technology:** Android Studio, Firebase.

Farm Easy App (SIH Problem Statement)

- **Description:** Built a platform connecting farmers and buyers for direct, fair produce sales with logistics support.
- **Features:** Listings, inquiries, secure transactions, delivery updates.
- **Technologies:** Android Studio, Kotlin, Firebase.

Guide Link – A Tour Guide App

(Ongoing)

- **Description:** Designed a platform connecting tourists and guides with personalized itineraries, real-time availability, and dynamic pricing.
- **Features:** In-app chat, role-switching (tourist/guide), payment integration, and feedback system.
- **Tools and Technologies:** Flutter, Firebase, Android Studio.

COMPETITIVE CODING

- **Leetcode:** Actively participating in a 360-day coding challenge.
- **GeeksforGeeks:** Currently working on a 160-day coding challenge.

SKILLS & INTERESTS

Languages: Java, Python, C++, Kotlin

Web/Mobile: HTML, CSS, JavaScript, Flutter, Android Studio, Firebase

Cloud/Tools: AWS (EC2, S3, IAM), Ghidra, Wireshark, OWASP ZAP, MongoDB

Areas: DSA, OOP, System Design Basics

Certificates: IBM Cyber Security Analyst, Oracle Foundations Associate, Cisco Junior Cybersecurity Analyst, NPTEL [\[Link\]](#)

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

Language: English, Telugu, Tamil, Hindi, French