

# 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: 8.36

(September 2022 – Present)

## SKILLS

**Languages:** Java, Python, Kotlin

**Web/Mobile:** HTML, CSS, JavaScript, Flutter, Android Studio, Firebase, RESTful API, FastAPI

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

## PROFESSIONAL EXPERIENCE

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

**The Red Users | February 2025 – March 2025**

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

## PROJECTS

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

- **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.
- Engineered an AI-driven mobile solution (React Native, FastAPI) to analyze wearable device data for proactive disease prediction.
- Developed and integrated machine learning models via RESTful APIs, delivering personalized health recommendations and enhancing user well-being.
- **Tools & Technologies:** React Native, FastAPI, Machine Learning Models, AI for Personalized Experiences.
- **Role:** App Development, API Integration (ML and App).

**Bhojan Seva** [\[Link\]](#)

- **Description:** Developed *Bhojan Seva*, a web-based platform designed to minimize food wastage by connecting food donors with NGOs and nearby shelters. The system enables efficient coordination of surplus food donations, ensuring timely collection and distribution.
- **Highlights:** Implemented real-time donation listings and recipient matching based on geolocation. Integrated user authentication and secure login for donors and NGOs. Enabled automated notifications for pickups and donation status updates using Firebase. Designed a user-friendly interface to streamline the donation process for both individual and institutional donors.
- **Tools & Technologies:** HTML, CSS, JavaScript, Firebase.

**Farm Easy App (SIH Problem Statement)**

- **Description:** Developed a platform to connect small-scale farmers with buyers, streamlining produce sales and ensuring fair pricing.
- **Problem Statement (SIH):** Farmers face challenges in selling their produce directly to buyers due to middlemen, lack of market access, and logistical barriers. FarmEasy addresses these challenges by providing a seamless platform for direct transactions and integrated logistics support.
- **Features:** Farmer listings, buyer inquiries, logistics support, secure transactions, and notifications for delivery updates.
- **Tools & Technologies:** Android Studio, Kotlin, Firebase.

**Guide Link – A Tour Guide App**

**(Ongoing)**

- **Description:** Designing and developing a comprehensive mobile application (Flutter, Android Studio) that serves as a dynamic marketplace connecting tourists and local guides.
- This platform facilitates personalized itinerary creation, showcases real-time guide availability, and implements dynamic pricing models.
- Key features include an integrated in-app chat for direct communication, flexible role-switching (tourist/guide accounts), secure payment integration, and a robust feedback and rating system to ensure quality service.
- Leveraging Firebase for real-time data synchronization, authentication, and secure cloud functions.
- **Features:** In-app chat, role-switching (tourist/guide), payment integration, and feedback system.
- **Tools & Technologies:** Flutter, Firebase, Android Studio.

## ADDITIONAL

**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