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: 8.33   *(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, MongoB

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.

UNIVERSITY PROJECTS

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.
- 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.
- **Technology:** React Native, FastAPI, Machine Learning Models, AI for Personalized Experiences.
- **Role:** App Development, API Integration (ML and App).
- **Tools:** React Native, FastAPI.

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 and 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 and 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