Harsha Vardhan Kondru

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LinkedIn | GitHub | Portfolio

EDUCATION

- **Bachelor of Technology (B.Tech) - Computer Science and Engineering**
  Vishnu Institute of Technology, Bhimavaram, Andhra Pradesh, India   2027
- **Diploma in Computer Engineering**
  A.A.N.M & V.V.R.S.R Polytechnic, Gudlavalleru, Andhra Pradesh, India   2024

EXPERIENCE

- **Internship**   *11/2023 – 05/2024*
  SBL Solutions   Gudlavalleru, Andhra Pradesh, India
  - Designed and developed a web application for **Product Management, Supply Chain, and ERP Systems**
  - Built **responsive and dynamic user interfaces**, ensuring seamless front-end and back-end integration
  - Worked closely with the development team to **optimize performance** and improve user experience
  - **Deployed** the application on cloud platforms using **Azure** services
  - Developed and maintained features using **Express.js, Node.js, React.js, SQL, and MongoDB**

PROJECTS

- **Yatra Suraksha – Tourist Safety Monitoring & Incident Response System**   *View on GitHub*
  Smart tourist safety monitoring platform – Backend API.
  - Developed the backend service using **Node.js**/**Express** with a **modular architecture** for maintainable code
  - Implemented **RESTful APIs** for user management, incident reporting, status tracking, and admin actions, consumed by the mobile app and admin portal
  - Integrated with external services such as **Google Maps** and **real-time Socket.io** channels to support live location tracking and incident updates
  - Added **authentication, authorization middleware**, and input validation to ensure secure and reliable handling of safety-critical data

- **Food Label Analyser**   *View on GitHub*
  Backend for Label Analyzer – extracts and analyzes ingredients from food label images to assess health impact
  - Developed a **Node.js**/**Express API** that ingests **OCR-extracted text** from food labels and returns structured ingredient analysis
  - Used **MongoDB** to persist ingredient, product, and health-risk metadata, enabling **fast lookups** and re-use of previous analyses

- **Centralized Windows Firewall Manager**   *View on GitHub*
  Managed firewall rules for all endpoints from a centralized web console.
  - Implemented the **firewall management API** using **Node.js**/**Express** to orchestrate rules and policies on Windows
  - Applied **granular firewall rules at the application level** for precise security control
  - Developed the project using **MERN stack, Python, Azure, PowerShell**, and **Socket.io** for real-time communication

TECHNICAL SKILLS

Languages: JavaScript, Rust, C/C++, Kotlin, Java, Python, Bash
Mobile Dev: Kotlin (Android Native)
Tools & Platforms: Git, Docker, Postman, n8n, Cloud (AWS, Azure, GCP), VMware, Linux
Databases: MongoDB, SQL Server, Redis
Web Dev: MERN stack, Tailwind CSS
Backend Skills: REST APIs, JWT/OAuth, Express.js, Microservices, Caching (Redis), DB Schema Design, Docker, Nginx, Socket.io
Security: Familiar with OWASP Top 10 and common web vulnerabilities

CERTIFICATIONS

- **CISCO - Endpoint Security**

- **CISCO - NDG Linux Essentials**

- **LinkedIn Learning - Exploring Linux Internals**