

PABOLU SVSS SHANMUKHA RANI

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SUMMARY

Full-Stack Developer with experience in building scalable and user-focused web applications. Skilled in developing end-to-end solutions using modern web technologies, RESTful APIs, and database management systems. Passionate about creating efficient, responsive, and high-performance applications, with a strong foundation in software development, problem-solving, and continuous learning.

EDUCATION

SRKR Engineering College 2023 – 2027
BTech in IOT & Cyber Security including Blockchain Technology *Bhimavaram | CGPA: 9.31*

PROJECTS

Government Training Management Platform | *MongoDB, Express, React, Node.js, Cloudinary*

- Designed a role-based TMS with RBAC across 4 admin tiers (Super, State, District, Venue) to manage training programs across states, districts, mandals, and venues
- Built modules for attendance tracking, venue management, food management, photo management, and report generation
- Implemented audit logs for tracking admin actions; integrated Cloudinary for scalable image management with a loosely coupled modular architecture

ELITE – AI-Powered Fitness, Nutrition & Performance Ecosystem | *React, Flask, MongoDB, Python*

- Developed an AI-driven wellness platform that delivers personalized fitness and nutrition plans, real-time posture correction, AI-powered workout recommendations, and mental health tracking
- Integrated a multilingual AI coach with voice/chat support and built a secure, scalable backend with user authentication and performance analytics

SAHAYAK – AI-Powered Internship Companion | *React, Flask, MongoDB, REST APIs*

- Developed an AI-powered internship platform connecting students with relevant opportunities through personalized recommendations, multilingual support, and guided application workflows
- Integrated real-time internship data, an AI chatbot for mentorship and career guidance, and an internship tracking dashboard while building a secure and scalable backend with authentication and database management

EXPERIENCE

HealthMate – Personal Health Management System | *React, Flask, MongoDB*

- Designed and developed a healthcare management platform with role-based access control (Patient, Doctor) for secure management of medical records, prescriptions, allergies, vaccinations, and appointments
- Implemented medication reminders, health analytics, PDF report generation, and an AI-powered chatbot for medicine side-effect analysis, drug interaction detection, and personalized health assistance, supported by a secure and scalable backend architecture

SKILLS

Languages: Java, Python, C, JavaScript

Frontend Development: HTML, Tailwind CSS, React.js, Next.js

Backend Development: Node.js, Express.js, Flask

Databases: MongoDB, MySQL, PostgreSQL

Tools & Technologies: Git, GitHub, VS Code, Postman

ACHIEVEMENTS

Special Prize Winner – Vedic Vision 2K24 Hackathon (2024)

4th Place Winner – HackSprint Hackathon, Swarnandhra College (2024)

Finalist – Srinivasa Ramanujan National Mathematics Competition, ISTE Tamil Nadu (2024, 2025)

CERTIFICATES

Introduction to Cybersecurity – Cisco

Programming Essentials in C – Cisco

Python Essentials in C – Cisco

Generative AI – LinkedIn

Cybersecurity Training – ExcelR