

CHUNDRU VEERA VENKATA ACHUTA RAM VINAYAK

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OBJECTIVE

Undergraduate in Computer Science (AI & ML) with solid foundations in Python, Java, web architectures, and relational database systems. Experienced in developing serverless web platforms, intelligent recommendation tools, and embedded systems. Seeking an engineering internship to apply problem-solving skills to real-world software development challenges.

EDUCATION

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai 2024 – Present
B.Tech in Computer Science and Engineering (AI & ML) **CGPA: 8.59** (2nd Year)
Balaji Junior College, East Godavari, Andhra Pradesh 2022 – 2024
Intermediate (12th Standard) – State Board **Score: 92.8%**
Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, DBMS, Computer Networks

EXPERIENCE

Software Development Center, South Coast Railway (SCoRWWO) Vijayawada, India
Full Stack Developer Intern – Java June 2026 – July 2026

- Completed comprehensive industrial software development training focused on enterprise Java systems and MVC architecture.
- Built modular backend services and executed database queries for reliable transaction processing and data retrieval.
- Gained practical experience in real-world software engineering practices, testing methodologies, and system integration.

TECHNICAL SKILLS

Programming Languages: Python, Java, C, SQL, JavaScript
Web & Cloud Technologies: React 19, Cloudflare Workers, Cloudflare D1 (SQLite), Cloudflare KV, PHP, HTML5/CSS3
Core CS Fundamentals: Data Structures & Algorithms, Object-Oriented Programming, DBMS, Computer Networks
Developer Tools & Hardware: Git, GitHub, VS Code, Cloudflare Pages, Arduino IDE, Sensor Interfacing

PROJECTS

Skill Point – AI Job Readiness & Skill Gap Analyzer *React 19, Cloudflare Workers, Workers AI, D1 SQL*
Live Demo: <https://skill-point.pages.dev>

- Engineered a serverless SPA that evaluates student resumes against targeted industry roles to identify technical skill gaps.
- Integrated Cloudflare Workers AI (*LLaMA 3.1 8B*) to dynamically generate diagnostic multiple-choice assessments.
- Designed a 4-pillar readiness formula synthesizing resume matching, quiz metrics, practical tasks, and profile completion.

For Students – Academic Resource Sharing Platform *PHP, MySQL, HTML5, CSS3, Apache*
Live Demo: <https://ramvinayak.free.je>

- Created a centralized repository allowing university students to upload, organize, search, and download verified study notes.
- Built a secure administrative review portal with MIME-type file verification and role-based access management.
- Structured a responsive interface and relational database schema to deliver fast search indexing and resource retrieval.

Smart City Grievance Redressal System *PHP, MySQL, JavaScript, Geotagging APIs*
GitHub: github.com/RamVinayak6046/smart-city-grievance-system

- Built a digital civic complaint portal with photo upload and geotagging support to ensure accurate reporting to local municipal bodies.
- Designed administrative analytics dashboards to track grievance resolution lifecycles and reduce manual turnaround times.

FPV Drone with Hazard Detection (Gas & Fire) *Embedded C/C++, Arduino Microcontroller, Hardware Prototyping*

- Built a sensor payload integrating MQ-series gas and thermal sensors on an FPV drone for hazardous environment reconnaissance.
- Programmed Arduino sensor-polling loops to detect elevated gas levels and fire signatures, transmitting real-time alerts.
- Collaborated in a team of 4 on chassis assembly, hardware calibration, power distribution, and flight stability testing.

CERTIFICATIONS

- Industrial Internship Certification:** Full Stack Developer – Java, SCoRWWO, South Coast Railway (July 2026)
- NPTEL:** Introduction to Industry 4.0 and Industrial Internet of Things (IoT)
- Cisco Networking Academy (CCNA):** Introduction to Networks (ITN) | Switching, Routing, and Wireless Essentials (SRWE) | Enterprise Networking, Security, and Automation (ENSA)

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

- Volunteer – Unnat Bharat Abhiyan (UBA) Club:** Led community outreach initiatives and conducted digital literacy awareness programs in neighboring adopted rural villages.
- Event Operations Coordinator:** Managed logistics, on-ground registrations, and technical coordination during departmental events and symposiums.