

# Eshwar Chowdary T

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## Professional Objective

Motivated Information Science and Engineering student adept in Core Java, Python, and AI/RAG systems. Seeking to leverage skills in full-stack development and data structures to architect efficient, scalable, and user-centric systems in a dynamic technological environment.

## Technical Skills

**Programming:** Core Java, Python, C, SQL, HTML, CSS, JavaScript, React  
**Frameworks:** Spring Boot, Spring Data JPA, Flask, Django, React  
**Tools/DB:** Ollama (Llama 3), Firebase, IntelliJ, VS Code, MAMP, Git/GitHub  
**Concepts:** Data Structures & Algorithms (DSA), Operating Systems (OS), Networking, RAG  
**Communication:** English, Telugu, Kannada, Hindi

## Education

**B.E., Information Science and Engineering** — RV Institute of Technology and Management *2023–2027*  
*GPA: 8.14/10*  
**Pre-University** — Sri Vidyaniketan PU College *2021–2023*  
*Percentage: 87%*  
**10th Board (ICSE)** — RVSR Central School *2020–2021*  
*Percentage: 80.33%*

## Projects

- **Smart Competency Diagnostic and Candidate Profile Score Calculator** *React, Firebase, Django*
  - Created an AI-driven system that analyzes candidate proficiencies and calculates competency-based scores for recruitment profiles using job-specific criteria.
  - Established Django REST APIs and incorporated machine learning models for data-driven scoring and dynamic weightage computation.
  - Designed an interactive dashboard enabling users to track progress and view real-time competency evaluations.
- **Financial Tracking System** *Java (Spring Boot), MySQL, React*
  - Authored a secure finance tracker, implementing user authentication and RESTful APIs using Spring Boot and JPA.
  - Modeled normalized MySQL databases for robust transaction management, boosting query performance by 20%.
  - Reinforced data integrity through optimal schema design, comprehensive error handling, and multi-layered server-side validation.
- **Blockchain RAG Chatbot** *Python (Flask), Ollama, RAG, REST APIs*
  - Conceptualized a Retrieval-Augmented Generation (RAG) chatbot using Python and Ollama (Llama 3) for accurate resolution of blockchain-related queries.
  - Implemented a modular API architecture supporting Markdown responses and established a safety protocol for investment-related prompts.
  - Deployed the system locally, successfully mitigating cross-origin and port conflicts and refining prompt engineering for concise outputs.
- **Restaurant Management System** *HTML, CSS, PHP, MySQL*
  - Engineered a full-stack web platform for reservations, orders, and billing, integrating a responsive frontend with a reliable PHP–MySQL backend.
  - Fine-Tuned SQL queries to boost database efficiency and reduced average load time by 20%.
  - Developed specialized user and admin interfaces for order tracking and payment handling, streamlining restaurant operations.

## Certifications and Achievements

- Java Programming — Infosys Springboard
- DBMS — Infosys Springboard
- Deloitte — Technology Job Simulation
- DSA in Java — Infosys Springboard
- Golden Badge in Java — HackerRank

**Declaration:** I hereby declare that the information provided is accurate to the best of my knowledge.