

BHAVYA SRI PAIDA

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EDUCATION

Vellore Institute of Technology, Andhra Pradesh
B.Tech in Computer Science and Business Systems
CGPA: 8.66 | Expected Graduation: May 2026

SKILLS

- **Programming Languages:** C, C++, Python
- **Web Development:** HTML, CSS, React.js
- **Databases:** PostgreSQL
- **AI / NLP / GenAI:** LangChain, Sentence-BERT, RAG, Generative AI
- **Tools & Platforms:** Google Colab, Jupyter Notebook, Git, GitHub, VS Code
- **Core Computer Science:** Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP)
- **Leadership & Extracurriculars:** Volunteer, Rotaract Club – organized social impact events and community service projects; Core Member, College Fest Organizing Committee – led event planning, coordination, and execution.

PROJECTS

AI-Powered Document QA Assistant

React, Spring Boot, LangChain, RAG, Vector Database, REST APIs (Generative AI)

- Designed a full-stack AI assistant allowing users to upload PDF/DOCX documents and query in natural language.
- Implemented Retrieval-Augmented Generation (RAG) using LangChain and FAISS/Pinecone for context retrieval and citation-backed answers.
- Built React frontend with chatbot interface and Spring Boot backend for API and business logic.
- Added multilingual QA, summarization, and real-time interaction features demonstrating expertise in NLP and AI integration.

AI-Powered Resume Analyzer

- Developed a web app parsing resumes and comparing them against job descriptions to generate ATS-friendly match scores and improvement suggestions.
- Used NLP techniques (NER, keyword extraction, semantic similarity using SBERT) for detailed candidate-job fit analysis

CERTIFICATIONS

- Supervised Learning: Machine Learning by Andrew Ng
- Oracle Generative AI Course