

# Jagadeesh Rallabandi

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## Education

<b>National Institute of Technology, Andhra Pradesh</b> , B.Tech in Computer Science	Nov 2022 – May 2026
<ul style="list-style-type: none"><li>• <b>Coursework:</b> Data Structures and Algorithms, Database Management Systems, Computer Networks, Design Analysis and Algorithms, Object Oriented Programming, Operating Systems</li></ul>	
<b>New Vision Junior College</b> , Intermediate (MPC)	May 2020 – Apr 2022

## Technical Skills

**Programming Languages:** Java, C, Golang, Python, JavaScript, SQL

**Technologies & Tools:** Unix/Linux, Git, Google Colab, Kaggle, VS Code, Docker, Android Studio, My SQL Server, MongoDB, Node.js, React.js

**Frameworks & Libraries:** Express, scikit-learn, Flask, TensorFlow, PyTorch, Langchain

## Projects

<b>GreenCart – Grocery Store Website</b> MERN Stack, Stripe	GitHub   Live Demo
<ul style="list-style-type: none"><li>• Addressed the challenge faced by offline grocery retailers lacking a digital presence by designing an online storefront streamlining order processing and providing real-time sales analytics, benefiting over 200 users during the pilot phase.</li><li>• Built a full-stack e-commerce web application with secure user authentication, Stripe-powered payments handling 100+ transactions per week, dynamic product search, and real-time multi-role dashboards for 20+ sellers and admins.</li><li>• Technologies used: MERN stack (MongoDB, Express.js, React.js, Node.js), Stripe API, MongoDB Atlas; deployed on Vercel to deliver security, scalability, and seamless user experience supporting 500+ monthly visits.</li></ul>	
<b>ATS Resume Tracker – AI-powered Resume Analyzer</b> Gemini LLM, Langchain	GitHub   Live Demo
<ul style="list-style-type: none"><li>• Addressed the challenge of automated resume screening by developing a platform that parses and evaluates over 100 resumes monthly against job descriptions using the Gemini LLM.</li><li>• Implemented features for match score calculation, keyword gap analysis, and AI-driven, actionable feedback improving users' job application success rate by an estimated 30%.</li><li>• Designed an interactive Streamlit web app enabling 50+ users to upload resumes and receive detailed optimization insights in real time.</li></ul>	

## Experience

<b>Generative AI Intern</b> , Impressico Business Solutions – Hyderabad, India	June 2024 – Aug 2024
<ul style="list-style-type: none"><li>• Developed and deployed Generative AI solutions for text generation and intelligent document processing, improving document analysis speed by 40% for internal clients using OpenAI APIs and LangChain.</li><li>• Built and fine-tuned LLM prototypes with prompt engineering and Retrieval-Augmented Generation (RAG), achieving higher accuracy benchmarks on 5+ real-world use cases.</li><li>• Collaborated with a cross-functional team on data preprocessing, API integration, and model evaluation, supporting the rollout of scalable LLM-powered features to 50+ users.</li></ul>	

## Achievements & Leadership

- Solved 200+ problems on LeetCode, demonstrating strong skills in Data Structures and Algorithms.
- Ranked among top 2.1% out of 1.2 million+ candidates in JEE Mains 2022