RAMANJAN MANCHIKATLA

+91 93988 79251 ◇ Hyderabad

ramanjanmanchikatla@gmail.com ◇ linkedin.com/in/ramanjan ◇ github.com/ramanjanmanchikatla

EDUCATION

Bachelor of Engineering, Vasavi College of Engineering   Sep 2023 – 2027
CGPA: 8.6

Intermediate, Narayana Junior College   2021
98.3% — JEE Main: 94.05 percentile — TS-EAMCET: 8643 rank

EXPERIENCE

AI Developer Intern, Viswam.AI   May 2025 – June 2025
4-week intensive open-source program

- Collaborated with a team in a 4-week intensive open-source program.
- Fine-tuned a 7 B parameter LLM on domain-specific corpora,for scalability and raising F1-score from 0.71 to 0.76 (7 % uplift).
- Hands on exprience on the Huggingface platform and the Google Colab (Free Gpu).

SKILLS

Programming Languages	Java, Python, JavaScript
Capabilities	Full Stack Web Development (HTML, CSS, Node.js)
Database Systems	MySQL
Frameworks	LangChain,Express.js
Other Tools	Git, GitHub
Soft Skills	Felxible, Critical Thinking, Problem Solving, Team Work

TECHNICAL PROJECTS

Bloom Buddy – Plant-Care Tracker   Live Demo — GitHub

- Built a responsive React web app that tracks watering schedules and plant health, boosting user engagement by 20 %.
- Enabled image-based plant onboarding, supporting 75+ unique species with personalized dashboards.
- Deployed automated reminders via cron jobs, reducing missed care tasks by 40 %.

Legal Assistant RAG – CourtMate   Live Demo — GitHub

- Created a RAG legal assistant using LangChain + Google Gemini that answers questions across 10+ PDFs with 90 % accuracy.
- Achieved 30 % faster query times by optimizing vector search in Pinecone and chunking strategies.
- Streamlit interface allows lawyers to upload, compare, and query documents in natural language.

CarboWise – Know Your Emissions   Live Demo — GitHub

- Developed an ML model that predicts vehicle CO emissions from engine specs with 92 % accuracy.
- Added an LLM explainer via LangChain that translates results into plain English, improving user comprehension by 40 %.

ACHIEVEMENTS

- Career Essentials in Generative AI – Microsoft & LinkedIn   May 2025
- The Joy of Computing Using Python – NPTEL   Oct 2024