

B Pranay Goud

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PROFILE

SOFTWARE ENGINEER

Built and fine tuned AI models for real world applications, with proven success in competitive hackathons. Passionate about Generative AI, RAG systems, and turning data into deployable solutions.

PROJECTS

VITdocuMind - RAG Powered Document Intelligence

github.com/VITdocuMind

- Developed a RAG system that addresses slow manual searches of VIT University's policies, reducing the time students spent on query resolution from minutes to seconds.
- Implemented open source **HuggingFace vector embeddings model** with **ChromaDB vector store**, **FastAPI** for scalable backend.
- Achieved **40% higher answer accuracy** compared to baseline LLM by dynamically retrieving and injecting relevant context.
- Tools Used: Python, LangChain, HuggingFace, FastAPI, ChromaDB, Streamlit

Smart Route - API Based Delivery Route Optimization

github.com/Smart-Route

- Developed a route optimization tool for delivery vehicles that calculates the most fuel efficient delivery paths by minimizing distance and penalizing right turns (Specialized for Indian roads).
- Implemented **Google Maps API** for geocoding addresses and computing real time distance matrices between multiple locations, **TSP algorithm** for right turn penalties, **FastAPI** for scalable backend.
- Achieved **35% better fuel efficiency** compared to naïve approaches.
- Tools Used: Python, Postman, API, TSP Algorithm, FastAPI, Streamlit

EDUCATION

Vellore Institute of Technology, Bhopal, B.Tech in Computer Science

GPA: 8.64/10 | (2026)

Excellencia Junior College, Hyderabad, XII (High School)

94.1% | (2022)

TECHNOLOGIES

Languages: Java, Python

Frameworks: Streamlit, FastAPI, LangChain

Data Processing: Numpy, Pandas, Matplotlib, Seaborn

Tools & Platforms: Git, GitHub, Postman

DBMS/SQL: MySQL

Domains: Machine Learning, Web Development

ACHIEVEMENTS

Hackathons

- Walmart Sparkathon 2024: Finalists.
- ZS Campus beats 2025: Campus top 5.
- CodeVerse 2025: 3rd Place

Extracurriculars/Position of Responsibility

- BAJA SAEINDIA 2024: 1st Runner Up (Team GarVit) [Secured Rs 8L as Sales and Sponsorship HOD]