

# ABHISHEK DANGI

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## SUMMARY

AI/ML Engineer with experience designing and deploying LLM-powered applications, integrating geospatial computer vision pipelines, and developing scalable backend APIs using Python and Django. Proficient in prompt engineering, semantic search with vector databases, and building AI tools through frameworks like LangChain, LlamaIndex, and Hugging Face. Strong collaborator with experience in cross-functional teams including data scientists, GIS analysts, and frontend developers

## WORK EXPERIENCE

### Software Engineer Intern

Jan 2025 – July 2025

#### Codely.ai – Bengaluru, India

- Developed LLM-based document intelligence and chat solutions using LangChain, LlamaIndex, and Meta LLaMA models for business knowledge retrieval.
- Built AI-powered RESTful APIs using Python and Flask to deliver real-time business analytics, deployed via Docker.
- Collaborated with GIS analysts to integrate image classification modules into the ERP system using OpenCV and PyTorch.
- Designed and optimized backend pipelines and prompt workflows for semantic search using FAISS and Pinecone.
- Worked closely with frontend teams using React.js to develop intelligent dashboards with real-time data rendering.

## EDUCATION

### Bachelor of Engineering in Computer Science and Engineering | CGPA: 7.5

Dec 2020 – May 2024

V. P. Dr. P. G. Halakatti College of Engineering and Technology, Vijayapura

### Pre-University (PU) in science| Percentage: 80%

May 2018 – May 2020

Vagdevi Vikas PU Science College, Mudhol

## TECHNICAL SKILLS

- Programming Languages:** Python, JavaScript, Java, SQL
- Frameworks:** Django, Flask, FastAPI, NLP, TensorFlow, CNNs, RNNs.
- LLMs & Generative AI:** Meta LLaMA, OpenAI GPT-3.5/4, LangChain, LlamaIndex, HuggingFace Transformers
- Computer Vision:** OpenCV, PyTorch, TensorFlow – image classification, object detection
- RAG & Semantic Search:** FAISS, Pinecone, ChromaDB, Weaviate
- Web Development:** React.js, Axios, RESTful API Design
- Cloud & DevOps:** Azure, Docker, Microsoft Fabric
- Tools:** Git, GitHub, VS Code, Jupyter Notebook

## PROJECTS

### ➤ LLM-based RAG System for Document Intelligence

May 2025 – July 2025

- Designed a RAG pipeline combining LangChain, LlamaIndex, FAISS, and Pinecone for document-based Q&A.
- Integrated Meta LLaMA and HuggingFace Transformers with semantic search to enhance response accuracy.
- Optimized inference pipeline with prompt chaining, self-RAG, and relevance-based reranking.

### ➤ Flask-Driven Airline Insights Dashboard

March 2025 -May 2025

- Developed an end-to-end data automation system to clean, store, and visualize raw Excel-based ERP sales data.
- Built RESTful Flask APIs to expose business insights, consumed by a dynamic React.js dashboard featuring customer search and KPI widgets.
- Modularized backend logic using a service-based architecture with robust logging, error handling, and reusable data pipelines.