DINESH ELUMALAI

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About

AI and Data Science graduate with strong basics in **Python, Machine Learning, Deep Learning, and Generative AI**. Experienced in developing AI-powered applications using **LLMs, Prompt Engineering, and RAG**, with knowledge of **LangChain, Vector Databases, and FastAPI**. Skilled in AI model evaluation, REST APIs, Git, and solving real-world business problems through innovative AI solutions. Strong analytical, problem-solving, and communication skills with a passion for learning emerging AI technologies.

Technical Skills

- **Programming Languages:** Python, SQL,
- **AI/ML:** Machine Learning, Deep Learning, Generative AI, LLMs
- **GenAI Frameworks:** LangChain, LangGraph
- **RAG & AI Techniques:** Prompt Engineering, RAG, Embeddings, Grounding
- **Vector Databases**: Pinecone, ChromaDB, FAISS, Qdrant, Milvus
- **Backend Development:** FastAPI, Flask, REST APIs
- **Cloud Platforms:** AWS, Azure, GCP
- **Developer Tools:** Git, Docker, CI/CD

Certifications

- Data Science
- Power BI
- Python
- Technology job stimulation

Education **2022 - 2026** S

DMI College of Engineering, Chennai - *B.Tech (Artificial Intelligence and Data Science)* CGPA - 8.2

Internship Experience

NoviTech – *Data Analyst* Jun 2026-July 2026

- Gained practical experience in data analysis by working with datasets, cleaning and organizing data, creating visualizations, and extracting meaningful insights to support data-driven decision-making.

Skill Vertex- *Artificial Intelligence* Jun 2024 – July 2024

- Gained hands-on experience with AI concepts, including machine learning, deep learning, and natural language processing, through industry-relevant projects and mentorship from domain experts.

Flipkart & Quess corp Ltd. -*Data Management* Oct 2024 – Dec 2024

- Managed and validated large datasets to ensure accuracy, consistency, and completeness. Performed data cleaning, quality checks, and record maintenance using Excel and internal data management tools while supporting business operations through accurate data processing and reporting.

Projects

NeuroPick- AI driven platform for analysing and suggesting the best products

- Developed an AI-based recommendation system that analyzes product features, customer reviews, ratings, and prices to recommend the best products based on user preferences. Implemented Machine Learning and NLP techniques for sentiment analysis and personalized recommendations, improving decision-making accuracy and user experience.

DocuChat AI — a RAG-based document Q&A assistant

- Developed an AI-powered document question-answering system using LangChain, OpenAI, ChromaDB, and FastAPI, enabling users to upload PDFs and receive context-aware answers through Retrieval-Augmented Generation (RAG).

AI Customer Support Agent -AI-powered customer support assistant

- Developed an AI-powered customer support assistant using LangChain, OpenAI, FastAPI, and ChromaDB. The system retrieves answers from company documents using RAG, maintains conversation context, and automates customer query resolution