Chandr Chut Chauhan
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Objective

Innovative Data Scientist with 3+ years of specialized experience in Large Language Models, Conversational AI, and NLP systems. Proven ability to build, fine-tune, and deploy LLMs using LangChain, LangGraph, and vector databases for real-world business applications. Passionate about scaling AI with intelligent agents and retrieval-augmented generation.

Professional Experience

Senior AI Engineer – LLM & Conversational AI
CortexAI Technologies Pvt. Ltd. | Bengaluru | Jan 2023 – Present

- Developed and deployed multi-agent systems using **LangChain**, **LangGraph**, and **AutoGen**, powering virtual assistants for enterprise clients.

- Integrated **LlamaIndex** for structured and unstructured document retrieval, improving context relevance.

- Fine-tuned **GPT-4**, **LLaMA-2**, and **Mistral-7B** for customer service, HR automation, and legal summarization.

- Built **RAG pipelines** with **ChromaDB** and **FAISS**, enhancing semantic search accuracy by 91%.

- Developed vector-based search and embedding workflows using **OpenAI**, **Sentence-Transformers**, and **Hugging Face** APIs.

- Deployed scalable LLM services on **AWS (EC2, S3, Lambda)** and containerized workflows using **Docker** and **GitHub Actions** for continuous delivery.

- Contributed to internal **LLMOps** pipelines using **MLflow**, supporting model versioning and monitoring in production.

Machine Learning Engineer – NLP & ML Systems
DataNova Solutions | Remote | Aug 2021 – Dec 2022

- Trained text classification and NLU models using **Hugging Face Transformers**, **PyTorch**, and **spaCy**.

- Created scalable document retrieval and matching systems using **FAISS** and **sentence-transformers**.

- Led integration of NLP microservices with web dashboards and mobile apps.

- Contributed to internal LLMOps pipelines for versioned deployment and rollback.

Key Skills

- **Languages**: Python, SQL

- **LLM Ecosystem**: LangChain, LangGraph, AutoGen, LlamaIndex, Hugging Face

- **Transformers**: GPT-4, LLaMA-2, Claude, Falcon, Mistral

- **Vector DBs**: FAISS, Pinecone, ChromaDB, Weaviate

- **ML/DL Frameworks**: PyTorch, TensorFlow, Scikit-learn

- **DevOps/Deployment**: FastAPI, Docker, AWS (EC2, Lambda, S3), GCP

- **Core Concepts**: Prompt Engineering, Fine-Tuning, RAG, Multi-agent Systems, Embeddings

- **Other Tools**: Git, MLflow, Weights & Biases, Jupyter

Education

Bachelor of Technology in Computer Science
National Institute of Technology (NIT), Trichy | 2017 – 2021

- GPA: 8.7/10

- Final Year Project: "LLM-Powered Legal Chatbot using LangChain and FAISS"

Projects

RAG-based Legal Assistant (LangChain + ChromaDB) [link]

- Built a conversational agent to assist lawyers with real-time statute and case retrieval using custom embeddings.

- Achieved 92% relevance score in blind evaluations.

Resume Screening and Matching Bot link

- Developed a LangChain-powered system to parse, match, and rank resumes against job descriptions.

- Used Pinecone for real-time similarity search, reducing screening time by 60%.

Multi-Agent Workflow Bot (LangGraph + AutoGen) link

- Created a multi-agent task management assistant with tool-use capability and fallback mechanisms.

- Integrated with Google Calendar, Notion API, and internal CRMs.

Certifications & Awards

- Hugging Face NLP Practitioner Certificate

- 1st Place – AI4Gov Hackathon (LLM Chatbot for Government Schemes)

- AWS Certified Machine Learning – Specialty

- Research Paper: "Fine-tuning LLMs for RAG Workflows" – Presented at IndiaML 2024

Certifications & Training *(New Section)*

- **LangChain Developer Bootcamp** – Built production-ready LangChain agents with integrations

- **Hands-on FAISS and Vector DBs** – DeepLearning.ai / Coursera

- **AWS Cloud Practitioner + ML Specialty** – Amazon Web Services

- **MLOps with GCP Vertex AI** – Google Cloud