Aditya Lakhani

Bachelor of Engineering
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 GitHub Profile
 LinkedIn Profile

EDUCATION

•**Bachelor of Engineering (Hons.) in Computer Science and Engineering(AI-ML)** — *2021-25*
Chandigarh University, Punjab — CGPA: 7.73

•**Senior High School** — *2019-21*
St. Thomas' School, New Delhi — Grade: 89.4%

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Python, JavaScript, HTML+CSS
AI & NLP Tooling: Transformers (HuggingFace), LangChain, LlamaIndex, Langflow, Autogen, CrewAI, RAG pipelines, OpenAI, Llama3, Composio, Atla LLM Eval, NLTK, spaCy, Gradio
Frameworks & Libraries: PyTorch, TensorFlow, OpenCV, scikit-learn, FastAPI, Flask, Streamlit, Django
Data & Vector Stores: MongoDB Atlas, ChromaDB, Pinecone, FAISS, PostgreSQL, MySQL
Infrastructure & Dev Tools: Docker, Git, GitHub, VS Code, Heroku
Cloud Platforms: Google Cloud Platform, HuggingFace Hub, Heroku, Kaggle
Visualization & Productivity: Tableau, PowerBI, MS Office, Notion
Relevant Coursework: Data Structures & Algorithms, Operating Systems, OOP, DBMS, Probability & Statistics
Areas of Interest: NLP, Generative AI, Multi-Agent Systems, Applied LLMs, Human-Centered AI

AI PROJECTS

•**SAbot: NLP Troubleshooting Assistant** — *Aug 2024 – Sep 2024*
An intelligent bot for device diagnostics using Retrieval-Augmented Generation (RAG).

– Developed and deployed an NLP-based RAG bot with HuggingFace models and MongoDB Atlas vector search.
– Integrated Llama3 API and semantic embeddings for contextual device issue resolution.
– Tech Stack: Python, Llama3, MongoDB, LlamaIndex, HuggingFace.

•**Resume Parser with NLP Pipeline** — *Mar 2023*
End-to-end Django app for structured data extraction from resumes.

– Engineered NLP modules for automated parsing of unstructured resumes.
– Streamlined recruiter workflows with data visualizations and robust backend.
– Stack: Python, Django, HTML/CSS, spaCy, NLTK.

•**Weighted Search Engine for Semantic Ranking** — *Nov 2023*
High-relevance document retrieval using TF-IDF and cosine similarity.

– Applied TF-IDF and cosine similarity to improve search accuracy.
– Built a scalable Flask backend and deployed on Heroku.
– Stack: Python, Flask, scikit-learn.

PROFESSIONAL EXPERIENCE

•**Evva Health** — *Oct 2024 – Mar 2025*
AI Engineer Intern – NLP & Multimodal Systems — Remote

– Carried out end-to-end development and deployment of scalable multi-agent AI systems across healthcare and surveying, reducing response times by 28%.
– Designed multi-modal (text & voice) AI assistants, built FastAPI/Python backends with LLMs and vector DBs, streamlined inference pipelines for production.
– Developed and fine-tuned healthcare agents for session monitoring and personalized content, optimized prompts/model routing to cut LLM costs by 12%, automated care plan generation via web crawling(with AI agents scraping data from singlecare.com, clinicaltrials.gov and Amazon.com).

•**LetsAI Solutions Pvt. Ltd.** — *Mar 2025 – Present*
AI Intern – NLP & Agentic Systems — New Delhi

– Pioneered enhancements in CrewAI, Autogen, and Langflow for enterprise-grade agentic AI.
– Integrated LLM observability and traceability tools, optimizing A/B testing and decision transparency.
– Tech: Langflow, FastAPI, CrewAI, Autogen, ChromaDB, PostgreSQL, HuggingFace.

CERTIFICATIONS

–**Recommendation Systems on Google Cloud** 95%—An end-to-end GCP course on MLOps. — *Apr 2024*
–**Python for Data Science (IIT Madras)** 82%—covered statistics, EDA and model training+eval. — *Apr 2022*