

AROON KUMAR

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Skills

Languages & Tools: Python, Flask, Git, GitHub, SQL, JavaScript

AI/ML & NLP: LLMs (GPT-4, HuggingFace), Prompt Engineering

Frameworks: LangChain, RAG, Streamlit, scikit-learn

Tech Stack: LangChain, Streamlit, LLaMA3, ChromaDB, Python, JSON

Vector DBs: FAISS

Tools: OpenAI API

Languages: Python, C++, Java, JavaScript

Others: DSA, OOP, MS Office

Experience

Arch Technologies | Machine Learning Intern

June 2025 - Present • Remote

- Working on real-world ML projects using Python and Scikit-learn.
- Applied supervised and unsupervised learning techniques.
- Learning from industry experts in a structured program.

Projects

Cold Mail Generator for B2B Outreach

- Developed an end-to-end Streamlit app using LangChain, ChatGroq (LLaMA3), and ChromaDB to automate cold email generation from company job pages.
- Scraped and structured job data, matched it with a portfolio CSV, and generated personalized cold emails per job.
- Implemented WebBaseLoader, JSON parsing, and modular prompting for scalable consulting firm outreach.

Finance News Research Tool (GenAI Project)

- Built an AI-powered Streamlit app using LangChain and OpenAI to extract and summarize finance news articles from URLs.
- Used UnstructuredURLLoader, OpenAI Embeddings, RecursiveCharacterTextSplitter, and FAISS for document processing and storage.
- Implemented RetrievalQAWithSourcesChain for accurate Q&A with source references.

AI Restaurant Name & Menu Generator

- Built a Streamlit web app using LangChain and OpenAI GPT to generate restaurant names and menus across 5 cuisines.
- Used LLM Chains, prompt templates, and memory handling for smart conversation flow.
- Integrated OpenAI API with secure key management and token control.

Home Price Prediction Web App

- Trained a regression model to predict housing prices using scikit-learn.
- Built a full-stack web app with Flask, HTML/CSS, and JS for frontend, AJAX for real-time prediction.
- Deployed model with preprocessing pipeline for location-based predictions.

Education

SZABIST

Aug 2023 - Aug 2027

- *Bachelors of Science in Computer Science*

CGPA: 3.27

Certificates

- Introduction to Generative AI - Google Cloud (2025)
- Modern Robotics: Foundations of Robot Motion - Coursera (2025)
- Ethical Hacking Bootcamp - GDG PIEAS (2025)
- Diploma in Information Technology - (2022)
- Certificate in Information Technology - (2022)