Arunkumar Mohandas

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EDUCATION

Shiv Nadar University Chennai — 2021 – 2025

B.Tech in Artificial Intelligence and Data Science
- Cumulative GPA: 8.2

Stanes Anglo Indian Higher Secondary School Coimbatore — 2021

High School
- Percentage: 91% —— May Ashe Award – Best Outgoing Student

EXPERIENCE

GenAI Intern — Jan 2025 – Present

DataReveal AI
- FinReveal : Built multi-agent AI system for financial planning, forecasting, and variance analysis. Automated 75+ financial metrics with visualization and executive-ready insights. Enabled natural language queries via LangGraph conversational interface.
- ConvoFlow : Developed AI voice agent for real-time transcription, intent-based routing, and query handling. Automated task management with escalation triggers, integrations, and dashboards.

AI and LLM Intern — Apr 2024 – Sept 2024

Proacure
- Multi-Agent Workflow : Developed a multi-agent workflow to enhance product capabilities with a multi-modal RAG system. Built QA agent for PDFs and image datasets including tables and text. Used LangChain, LangGraph, OpenAI, and PostgreSQL for integration and performance.

PROJECTS

Dynamic Web Interaction Agent | *LangGraph, Selenium* — 2024
- Built an AI web agent using LangChain, LangGraph, and Selenium that autonomously interacts with Google Forms by parsing user input and dynamically filling form fields.
- Developed custom tools to enable seamless navigation, input handling, and form submission, leveraging OpenAI models for intent extraction.
- Delivered a working system that demonstrates how multi-agent workflows can automate repetitive tasks like form filling, reducing manual effort and ensuring accurate data entry.

Multi-Agent Resume Processing | *OpenAI, LangGraph* — 2024
- Developed a multi-agent workflow using LangGraph and LangChain to automate resume processing, which reads multi-format files (PDF, DOCX), extracts key entities, and validates the data for accuracy.
- Engineered a streamlined pipeline with distinct agents for reading, extracting, and validating resume information, utilizing OpenAI models and a Streamlit UI for seamless user interaction and reliable data output.
- Architected an automated resume analysis system by creating a graph-based workflow with agents that parse various document types, extract crucial candidate information, and implement a validation step to ensure data integrity.

Personalized Movie Suggestions | *Flask, BeautifulSoup* — 2023
- Engineered a content-based movie recommendation system by processing a large dataset with TF-IDF vectorization and calculating cosine similarity to provide users with personalized suggestions based on keywords.
- Developed a full-stack web application using Flask and MySQL that allows users to receive tailored movie recommendations, implementing a machine learning model to analyze and compare movie descriptions.
- Built and deployed an interactive movie recommendation platform featuring user authentication and a content-based filtering algorithm, resulting in a responsive and accurate suggestion engine for users.

TECHNICAL SKILLS

Languages: Python, C/C++, SQL (Postgres)
Tools & Platforms: Git, Docker, Tableau, Linux, FastAPI
Concepts: Machine Learning, Deep Learning, Generative AI, Agents, Prompt Engineering