

ADITYA MANOJ MENON

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EDUCATION

Michigan State University

B.S. Computer Science, Minor in Business

East Lansing, MI

Aug. 2022 - May 2026

TECHNICAL SKILLS

Languages: Python, C, C++, SQL

Developer Tools: Git/GitHub, Jupyter Notebook, Power BI, OpenAI API

Framework: Scikit-Learn, Large Language Models (LLMs)

Libraries: Pandas, NumPy

PROFESSIONAL EXPERIENCE

Data Analyst Intern

ADNOC Distribution

May 2024 - Present

Abu Dhabi, UAE

- Developed automated workflows with Power Query, enhancing data processing efficiency by 40% and reducing inconsistencies by 25%.
- Designed relational data models and star schemas, improving query performance by 30% and data retrieval speed by 20%.
- Built interactive dashboards and reports with Power BI, boosting data accessibility for stakeholders by 50%.
- Published reports to Power BI Service, enhancing user engagement by 40% and increasing data-driven decision-making by 30%.

Pathway to Research Advisor

Undergraduate Research, MSU

Sept 2023 - Present

East Lansing, MI

- Conducted tailored one-on-one sessions with student participants, increasing program goal achievement and enhancing overall student engagement, as evidenced by a 25% rise in positive feedback.
- Conducted comprehensive program sessions including orientation, panel discussions, and reflection sessions; increased participant satisfaction and improved retention rates through targeted engagement strategies.
- Journalled with student participants during consultation sessions, providing documentation for the program.

PROJECTS

LLM Driven Article Analyzer: [Link](#)

- Developed an LLM model to scrape and summarize financial articles from websites and documents.
- Enabled direct file uploads to streamline information extraction for financial analysts, surpassing ChatGPT-3.5.
- Leveraged FAISS for quick vector similarity searches and OpenAI embeddings for accurate text representation.
- Created a user-friendly interface using Streamlit for inputting URLs and queries. Ensured security and efficiency by securely storing the OpenAI API key and processing data in manageable steps.
- Optimized token limits and reduced costs by processing only relevant data chunks, enhancing scalability and cost-effectiveness.

LangChain Culinary Innovator: [Link](#)

- Developed a Streamlit-based application to generate creative restaurant names and menu items using OpenAI's language model.
- Designed an intuitive user interface in Streamlit for easy user input and interaction. Defined helper functions to seamlessly interact with the OpenAI API.
- Implemented prompt chaining to produce customized restaurant names and corresponding menu items. Leveraged advanced language models to ensure efficient and innovative generation of culinary concepts.

AdventureWorks-PowerBI: [Link](#)

- This project involves transforming raw data into professional-quality reports and dashboards using Power BI.
- The project focuses on tracking key performance indicators (KPIs), comparing regional performance, analyzing product-level trends, and identifying high-value customers.
- By leveraging advanced data analysis, visualization, DAX (Data Analysis Expressions), and reporting techniques, the project provides actionable insights that support strategic decision-making and drive business growth.

PUBLICATIONS

- Menon, A. 'The impact of Artificial Intelligence (AI) and Engines on Board games (Chess and Go)', International Journal of High School Research IJHSR 2022, Volume 4, Issue 2, pages 65-70 <https://doi.org/10.36838/v4i2.12>