

Muaadh Ahmed

Frisco, TX 75034; 972-951-1224; ahmedmuaadh@gmail.com;
<https://www.linkedin.com/in/muaadhahmed/>

SUMMARY

A results-driven and analytical individual with a background in data analysis and machine learning. Resourceful with a history of software development, computer science, and statistics.

EDUCATION

Bachelor of Science, Software Engineering

December 2024

University of Texas at Dallas, TX; Erik Johnsson School of Engineering and Computer Science

SKILLS

Software: Microsoft Office Suite, Google Workspace, AWS, Tableau, Power BI

Programming Languages: Python, SQL, Java, Javascript, C++

Artificial Intelligence: LLMs, RAG, NLPs, Document parsing, Computer vision

Data Analysis: Data visualization, Trend analysis, KPI dashboards

PROFESSIONAL EXPERIENCE

Outamation

South Lake, TX (Remote)

Extern

February 2026 – April 2026

- Developed a modular AI pipeline leveraging OCR and PDF parsing to process over 200 pages of mortgage data blobs and streamline mortgage processing by automating data quality checks.
- Designed fixes for common OCR error patterns and implemented data quality checks to improve extraction accuracy to 96% and reduce the need for manual data review or correction.
- Improved retrieval precision of relevant mortgage data by 35% using chunking and metadata filtering to expedite underwriting by eliminating irrelevant data.
- Built an interactive dashboard visualizing model KPIs, OCR outputs, and RAG context windows to monitor model performance over time and alert any performance degradations.

Wayfair

Boston, MA (Remote)

Extern

December 2025 – February 2026

- Designed and implemented a data collection workflow to collect product information, consumer demand, and style preferences to automate trend analysis and reduce workload for market analysts.
- Fixed issues present in other trend analysis models by correcting faulty API integrations and wrote documentation to facilitate the standardization of API calls across all other models.
- Consolidated model outputs and incorporated competitive benchmarks to improve readability of trend analyses and overall decision speeds.

PROJECT EXPERIENCE

Energy Consumption Dashboard

May 2026 – Present

- Cleaned and transformed raw CSV data by imputing missing values and standardizing fields to streamline data analysis.
- Built a dashboard in Tableau to visualize trends in energy generation and identify patterns in cost and consumer satisfaction to predict regions of valuable investment opportunities.

Amazon Web Service Automated Ticket Routing System

June 2026 – July 2026

- Designed an automated ticket classification system that ranks ticket importance to augment customer support roles by prioritizing and surfacing urgent tasks.
- Redeployed system in Google Colab to improve model performance with an optimized machine learning environment and reduce overall execution time.

