

MUHAMMAD JAMAL TARIQ

Chicago, IL | jamaltariq.com | muhammadjamaltariq@gmail.com | linkedin.com/in/jamaltariqcheema

SUMMARY

Data Scientist with 5+ years across machine learning, data engineering, and DevOps. Currently building production ML and LLM tools for freight audit and claims recovery at ConData, from FastAPI services on Azure to MCP servers over industry rating data and the pipelines that feed them.

EXPERIENCE

ConData Global Inc.

Oak Brook, IL (Hybrid)

Operations Engineer / Data Scientist

Nov 2025 - Present

- Built Resi Audit, a production FastAPI service on Azure that uses an LLM to classify delivery addresses as residential or commercial and flag misbilled carrier surcharges. Includes a verifier auditors use to file claims directly.
- Built Dupe Engine, which uses fuzzy matching to cluster similar charges and a ranking model to score likely duplicates, so auditors review the strongest cases first.
- Built MCP servers for SMC3 RateWare (CzarLite) and PC*MILER, giving AI tools direct access to LTL rates and mileage data.
- Built an LLM-powered rating engine on top of those MCP servers that audits LTL and TL shipments against contract rates to catch overcharges.
- Developed a claims recovery model that predicts which claims are likely to pay out, with careful handling of data leakage, survivorship bias, and reproducibility.

Operations Engineer

Dec 2023 - Nov 2025

- Built file manager pipelines with Selenium and Apache Airflow that pull carrier and payment data from client web portals and feed it into the audit system, replacing hours of manual pulls each week.
- Built an Azure backup verification system with file integrity checks and change-rate monitoring to catch silent backup failures.
- Wrote and maintained multi-client data sync pipelines between SQL Server and internal systems.
- Built an Airtable sync automation that keeps operations data current without manual updates.

Pure Platform

Remote

Data Scientist

Jan 2023 - May 2023

- Built web scrapers with Scrapy and BeautifulSoup that collected 10,000+ product data points from e-commerce sites.
- Cleaned and analyzed scraped data with Pandas and Scikit-learn to prepare it for modeling.
- Developed deep learning and NLP models for anomaly detection, improving detection performance by 75% over the baseline.

Programmers Force

Lahore, Pakistan

DevOps Engineer

Jan 2021 - Aug 2021

- Set up CI/CD automation with Git and Jenkins across 50+ projects.
- Reviewed Azure infrastructure and automated recurring management tasks.
- Wrote SOPs and internal tooling used across 20+ DevOps projects.

National Engineering and Scientific Commission (NESCOM)

Pakistan

Machine Learning Engineer

Jul 2018 - Sep 2019

- Deployed machine learning models to production with TensorFlow.
- Analyzed data from 50,000+ heart patients with multiple ML models to identify predictors of heart disease.
- Tuned neural network models with cross-functional teams, improving accuracy by 20%.

SKILLS

Languages: Python, SQL, Bash, R

ML and AI: Machine Learning, Large Language Models (LLMs), RAG, Model Context Protocol (MCP), NLP, Classification, Clustering, Fuzzy Matching, Predictive Modeling, Feature Engineering, Scikit-learn, TensorFlow, Pandas, NumPy

Engineering: FastAPI, REST APIs, Apache Airflow, Selenium, ETL and Data Pipelines, Docker, Git, Jenkins, CI/CD, Linux

Cloud and Data: Microsoft Azure, Azure Machine Learning, Azure AI Search, SQL Server, PostgreSQL, MySQL

EDUCATION

Illinois Institute of Technology

Chicago, IL

Master of Applied Science, Data Science

May 2023

Bahria University

Lahore, Pakistan

Bachelor of Science, Computer Science

Jul 2020