Ridwan Babatunde Ayinde

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PROFESSIONAL SUMMARY

Supply Chain and Operations Analyst with a Mechanical Engineering background and growing specialization in operations research and data analytics. Experienced in using Python, SQL, and Excel to analyze operational data, evaluate suppliers, support cost analysis, and improve planning and decision-making. Currently pursuing an MSc in Operations Research at the University of Lagos, with applied analytics training through the MIT Emerging Talent Program. Strong interest in supply chain planning, procurement analytics, logistics performance, and operational efficiency.

TECHNICAL SKILLS

Data & Analytics

- Python (Pandas, NumPy), SQL, Excel
- Data Cleaning, Exploratory Data Analysis (EDA)
- Statistical Analysis, Forecasting, Descriptive & Predictive Analytics

Operations & Supply Chain

- Cost Analysis & BOQs
- Supplier & Vendor Evaluation
- Operations Planning & Performance Analysis
- Process Optimization

Visualization & Tools

- Matplotlib
- Git
- Scikit-learn (basic ML for clustering & forecasting)

EDUCATION

University of Lagos (UNILAG) – Lagos, Nigeria
MSc, Operations Research (*Part-Time*) — Jan 2026 – Present

Massachusetts Institute of Technology (MIT) (*Online*)
MIT Emerging Talent Program (Online) – Computer & Data Science — Nov 2024 – Dec 2025

Federal University of Technology, Akure (FUTA) – Ondo, Nigeria
B.Eng, Mechanical Engineering — Oct 2021

CERTIFICATIONS / TRAINING

Global Mentorship Initiative (GMI) – Career Readiness Program — July 2025 – Sept 2025
Coursera (University of Michigan, Google): Python & Databases — Sept 2023 – Nov 2024

PROJECT EXPERIENCE

Data-Driven-Last-Mile-Logistics-Optimization-for-Small-Businesses-in-Emerging-Markets

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https://github.com/Ridwanayinde/Data-Driven-Last-Mile-Logistics-Optimization-for-Small-Businesses-in-Emerging-Markets

- Prepared and cleaned geospatial data, including service area boundaries, road networks, and delivery points.
- Built a routable road network graph from OpenStreetMap data for Lagos.
- Cluster delivery points using data-science methods to assign routes efficiently

U.S. Domestic Flights Data Analysis

https://github.com/Ridwanayinde/data-analysis-ml-projects/tree/main/Flights_data_analytics

- Analyzed large-scale flight operations data to identify delay patterns by airline, airport, and season using Python.
- Built visualizations to communicate operational bottlenecks and performance trends relevant to logistics planning.

Market Segmentation for Airlines

https://github.com/Ridwanayinde/data-analysis-ml-projects/tree/main/Universal_AI_Modules/Market_Segmentation_for_Airlines

- Applied K-means clustering to segment airline customers based on travel behavior and transactions.
- Produced actionable insights to support demand segmentation, service differentiation, and resource allocation.

PROFESSIONAL EXPERIENCE

CA Consultant LTD – Lagos, Nigeria

Project Engineer (Mechanical) Aug 2023 – Jan 2026

- Performed quantitative analysis for HVAC system designs to support cost-efficient engineering solutions.
- Prepared Bills of Quantities (BOQ) and supported procurement decisions through pricing and cost comparisons.
- Analyzed vendor and contractor pricing data to support data-driven supplier evaluation and selection.
- Maintained project documentation in line with Quality Management System (QMS) standards.

ENGINEERING PROJECTS

HVAC System Design & Supervision (Access Bank Project):

- Performed load calculations, equipment selection, and system layout for multi-branch commercial facilities, ensuring compliance with industry standards and cost efficiency.
- Balanced technical requirements with cost efficiency and supplier availability.