

# 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

[Link](#)

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- 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

### [Link](#)

- 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

### [Link](#)

- 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.

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## 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.

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## 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.