

OLUWUYI OLUMIDE ISMAIL

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SUMMARY

A skilled data Professional with over 1-year experience using data tools to drive meaningful insights in businesses and foster data-driven projects. Strong background in data analysis, visualization, model building, software development and deployment. Highly adaptable and quick learner with a proactive approach to problem-solving. Adept at collaborating in cross-functional teams ensuring effective communication and developing impactful applications.

EDUCATION

Babcock University – *BSC. Software Engineering (CGPA: 4.71)*

Jan 2022 – Jul 2025

Relevant coursework: Data Structures and Algorithms, Big Data Engineering, Requirements Engineering, Artificial Intelligence, Database Systems.

WORK EXPERIENCE

Frontend Intern – Bizmarrow Technologies

Jun 2023 – Aug 2023

- Assisted in developing and maintaining responsive web interfaces using HTML, CSS, and JavaScript.
- Debugged frontend issues and enhanced cross-browser and device performance.

Student Intern – National Center for Artificial Intelligence and Robotics

Jan 2024 – Jun 2024

- Performed exploratory data analysis, data preprocessing, and feature engineering to support machine learning workflows.
 - Contributed to the development of facial recognition algorithm for an AI-driven attendance tracking system.
 - Built a smart parking system using Arduino, ultrasonic sensors, and LEDs for space detection and collision avoidance.
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PROJECTS

Respirix for Lung Cancer Detection

Jan 2024 – Mar 2025

Role: Data Scientist | Tools: Python, FastAPI, PostgreSQL, React.js, Tailwind CSS

- Trained a machine learning model to predict lung cancer from CT scan images, achieving 98.6% accuracy and F1 score using a lightweight TensorFlow model.
- Built a multi-class classification web app to detect cancer types based on medical image analysis and structured patient data within 2 seconds.
- Enabled real-time image upload and automatic deletion post-inference of 1 second to maintain data security and storage efficiency.

Bank Customer Attrition Prediction

Feb 2025 – Feb 2025

Role: Data Scientist | Tools: Python, Scikit-learn, Plotly, XGBoost.

- Developed a machine learning model using XGBoost to predict customer churn, achieving 95% accuracy, 89% F1 score, and 85% AUC.
- Performed data preprocessing and feature engineering on structured customer data, including fields such as Tenure, Product Usage, Satisfaction Score, Complaint, Attrition Flag, Gender, Education Level, Marital Status, Income Category, and Card Category.

- Created a user-friendly interface that allows real-time attrition prediction based on customer input data, improving accessibility for business stakeholders.
- Designed an interactive dashboard with Plotly including visual KPIs, attrition breakdowns, and category-based filtering for business decision-makers

Nike Sales Performance Dashboard Analysis 2021 and 2022

Jun 2025 – Jun 2025

Role: Data Analyst | Tools: Excel, Power Query

- Analyzed 2020–2021 Nike sales focused on regional, product, retailer, state, and monthly performance.
- Cleaned and transformed data using Power Query, including invoice date parsing and profit margin calculations.
- Built an interactive Excel dashboard with filters for sales channels and quarters, using custom visuals (charts, maps, pie charts).
- Derived key insights: 2.99% YoY revenue growth, top region (West – \$36.34M), top retailer (West Gear – \$32.3M), and best-selling product (Men’s Street Footwear – \$27.68M).

Treklyio Travel Itinerary Planner

Jun 2025 – Present

Role: Data Scientist | Tools: Python, FastAPI, and Agno AI

- Built an AI-powered travel assistant using multi-agent architecture to recommend flights, hotels, restaurants, and generate personalized itineraries.
- Integrated SerpAPI for real-time flight search, hotel discovery, and restaurant recommendations based on user travel inputs.
- Developed a multi-agent workflow using Agno AI to automate itinerary planning with structured outputs.

SKILLS

Programming Languages: Python, JavaScript, PHP, C, SQL (PostgreSQL), HTML/CSS

Frameworks & Libraries: Pandas, NumPy, TensorFlow, React.js, Streamlit, FastAPI

Visualization Tools: Excel, Power BI, Dash

Core Competencies: Machine Learning, Data Analysis, Deep Learning, Web Development, Database Design, API Design, OAuth2 & JWT Authentication

Cloud Platforms: Firebase, Render, Vercel

Version Control: Git, GitHub

API Testing and Documentation: Postman, Swagger

Soft Skills: Leadership, Collaboration, Problem Solving, Effective Communication, Time Management

VOLUNTEERING

Resource Manager – Google Developers Group, Babcock Data Core Team member

Sep 2024 – Mar 2025

CERTIFICATIONS

[Python Intermediate](#) - DataCamp

Jan 2024

[Data Science Professional](#) - IBM

Jan, 2024

[Machine Learning](#) - Stanford

Jun 2024