# 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.

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## 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.

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## 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.

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**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

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**VOLUNTEERING**

Resource Manager – Google Developers Group, Babcock Data Core Team member   **Sep 2024 – Mar 2025**

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**CERTIFICATIONS**

Python Intermediate - DataCamp                    **Jan 2024**
Data Science Professional - IBM                    **Jan, 2024**
Machine Learning - Stanford                    **Jun 2024**