

# OLUWASEGUN MICHAEL ALABI – Data Scientist

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## Objective

Aspiring Data Scientist with 0–1 year hands-on experience, certified by IBM in Data Science and proficient in Python, SQL, R, and Excel. Practical exposure through academic and personal projects focused on statistical analysis, data visualization, and predictive modeling. Detail-oriented, analytical, and eager to contribute to data-driven decision-making in real-world environments.

## Education

Ladoke Akintola University of Technology (LAUTECH) - Oyo State

Graduated - June 2021

Bachelor of Technology, Statistics

## Skills

- **Programming & Scripting Languages:** Python, SQL, JavaScript, PHP/MySQL, HTML5, CSS3
- **Data Analysis & Visualization:** R, Tableau, SPSS, Matplotlib, Seaborn, MS Excel
- **Machine Learning & Libraries:** TensorFlow, Scikit-learn, ReactJS, NodeJS
- **API Development:** RESTful API, Integration, Testing
- **Version Control:** Git, GitHub
- **Other Skills:** Analytical skills, Critical thinking, Problem-solving, Research, Copywriting

## Certification

- IBM Data Science Professional: [Link](#)
- SQL for data analysis: [Link](#)
- Data visualization: [Link](#)
- Business Analytics: [Link](#)
- Predictive analytics for business: [Link](#)
- Meta Front-End Professional: [Link](#)
- Professional scrum master I: [Link](#)
- JavaScript fundamentals: [Link](#)
- Responsive web design: [Link](#)

## Projects

### 1. Final Project: House Sales in King County, USA

Python, Pandas, Scikit-learn, Matplotlib, Seaborn

- Applied a dataset to learn what drives house prices and to predict future prices.
- Preprocessed data by cleaning missing values, model building, model validation, and tuning.
- Performed exploratory data analysis (EDA) to find the primary trends and correlations, if prices have more outliers.
- Visualize the relationship between house features and prices with Matplotlib and Seaborn
- **GitHub:** [\[Link to the repository\]](#)

### 2. Real-World Crime Data Analysis

Python, SQL, Pandas, sqlite3, DbConn

- Designed and implemented a real-time data pipeline for collecting, processing, and storing data from IoT devices.
- Analyzed a real-world crime dataset to identify patterns and trends in criminal activity across different regions.
- Created SQL queries to extract and analyze data, providing insights on device performance and environmental conditions.
- **GitHub:** [\[Link to the repository\]](#)

### 3. Interactive Data Visualization Dashboard

Python, Dash, Plotly, Pandas

- Designed an interactive data visualization dashboard using Dash and Plotly to compare economic trends by focusing on annual statistics.
- Utilized several dynamic charts, including line plots, bar charts, and heatmaps, to provide a thorough analysis of trends and patterns in the data.

- Successfully deployed the dashboard for public use, providing an easily accessible platform for stakeholders to gain insights from the data.
- **GitHub:** [\[Link to the repository\]](#)

## Work Experience

### Freelance Data Analyst / Junior Data Scientist |

**Oct 2024 – Present**

*Data Cleaning, Visualization, Insight Reporting*

*Remote*

- Conducted exploratory data analysis (EDA) on publicly available and client-provided datasets using Python (Pandas, Matplotlib, Seaborn) and SQL, uncovering trends and actionable insights.
- Built interactive dashboards using python-dash for visualization.
- Cleaned, transformed, and merged datasets to support reporting and predictive modeling tasks.
- Completed academic-style projects applying machine learning (scikit-learn) for classification and regression problems.
- Used Jupyter Notebooks to document findings and present insights in a clear, business-friendly format.

### Access Bank Plc

**Nov 2022 - Jul 2024**

*Application Developer (ProcessMaker)*

*Lagos, Nigeria Hybrid*

- Developed 10+ enterprise-grade workflows automating internal processes for over 500 users, reducing manual operations and approval times by 40%.
- Designed and deployed scalable process forms, scripts, and triggers in ProcessMaker BPM, enhancing task automation and operational accuracy.
- Integrated ProcessMaker with internal systems and databases using REST APIs, streamlining interdepartmental workflows and data flow.
- Continuously optimized workflows for speed, usability, and reliability, increasing overall process adoption across departments.
- Maintained detailed technical documentation and user guides, enabling faster troubleshooting and onboarding of new developers.

### *Application Support*

- Reduced application downtime by 30% through proactive support, incident management, and root cause analysis.
- Delivered first- and second-line technical support across phone, email, and chat, consistently meeting service level agreements (SLAs).
- Logged, tracked, and escalated technical issues using ServiceDesk tools, ensuring timely resolution aligned with ITIL best practices.
- Collaborated with stakeholders to identify recurring issues, implementing workflow improvements and knowledge base updates.
- Conducted end-user training and system onboarding sessions, improving adoption rates and decreasing repeat support tickets.
- Supported agile delivery cycles; contributed to sprint planning, daily standups, and retrospectives as a certified Scrum Master.

### SQL College of ICT

**Apr 2021 - Sep 2022**

*Front-End Engineer (Web development) Trainee*

*Ogbomosho, Oyo State*

- Enhanced web applications using HTML, CSS, JavaScript, MySQL, and PHP, improving functionality and user satisfaction
- Designed websites on WordPress that increased user engagement by improving navigation and accessibility
- Collaborated on tech projects, ensuring timely completion and meeting project goals through effective team management
- Developed websites with interactive features, conducted navigation testing, and created landing pages.
- Expanded technical knowledge through exposure to diverse tech industry practices, leading to improved problem-solving skills