AJIBOLA ISMAIL. HASSAN

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PROFILE SUMMARY

A recent master's degree holder in Data Science from University of Essex and complimented by practical experience working with real world projects, adepts at using Python, SQL, and Power BI to extract actionable insights and useful information. I am a detailed-oriented and result driven Data Analyst who focuses on getting things done. In my past experiences, I have shown I can improve business choices through rigorous statistical analysis, dashboards developments, creating and forecasting models.

SKILLS AND TECHNICAL ABILITIES.

Data Analysis and Visualization: Excel (including Pivot Tables, VLOOKUP), Power Bi, Python (Pandas, Matplotlib, Seaborn), SQL.

Tools: MYSQL, Power Bi Service, Jupyter Notebook.

Business intelligence: KPI analysis, risk assessment.

Soft skills: Problem-solving, Communication, Team Collaboration, Time Management**,** data storytelling, Critical thinking.

EXPERIENCES

DATA SCIENCE INTERN **-** *CAREER AMEND* **-** (Remote**) – **U. K   **APRIL 2025 – PRESENT.**

- Engaging in a structured internship program focusing on Python fundamentals, including syntax, data types, control structures, and basic algorithms., and SQL.
- Participated in live online classes and interactive sessions to reinforce learning.
- Collaborated with peers on beginner-level coding exercises and projects to apply theoretical knowledge practically.

DATA ANALYST INTERN - *OASIS INFOBYTE* **-** (Remote) – U. K   **MARCH 2025**

- Developed a Customer Segmentation Model using clustering techniques (e.g., K-means) to enhance targeted marketing strategies.
- Employed Linear Regression to predict house prices based on pertinent features thereby improving insight of real estate market trends. Improved model accuracy by 15% through feature selection and hyperparameter tunning.
- Collaborated with a team of interns and mentors, developing teamwork and problem-solving skills in data analytics projects.

DATA SCIENCE INTERN - *SHULATECH SOLUTIONS* **-** (Remote)   **FEBRUARY 2025**

- Created interactive Power BI dashboards to visualize business performance and key metrics.
- Presented findings and provided data-driven recommendations to improve business strategies.
- Collaborated with a team of interns and mentors, enhancing teamwork and problem-solving skills in data analytics projects.
- Reduced manual report generation time by 50% via automated Power BI dashboards.

PROJECTS

NETFLIX USER ANALYSIS.

- Conducted an in-depth analysis of Netflix user data across 2024–2025 using interactive dashboards.
- Analyzed watch time distribution, subscription types, country-level engagement, and genre preferences.
- Identified that 40% of users watch 500+ hours/year, recommending AI-driven personalization and genre-targeted marketing.
- Proposed strategies for upselling premium plans and increasing engagement from low-watch users.

RETAIL/WAREHOUSE SALES ANALYSIS.

- Designed and developed an interactive Power BI dashboard to visualize retail and warehouse sales, enabling data-driven decision-making.
- Integrated and analyzed sales data from multiple suppliers and item categories, providing insights into sales trends, supplier performance, and inventory management.
- Enhanced business intelligence capabilities by incorporating dynamic filters, KPI indicators, and comparative analytics for improved operational efficiency.
- Helped stakeholders reduce overstock by 25% through better visibility and trend analysis.

ENERGY CONSUMPTION IN SMART HOMES

- Developed predictive models using machine learning (Random Forest, XGBoost, Linear Regression) that explained over 50% of variance ($R^2 = 0.53$) in energy consumption patterns.
- Analyzed time-series data to assess the impact of weather conditions on energy use, integrating behavioral and environmental factors for improved forecasting.
- Delivered actionable insights through visualizations and IoT-enabled analytics, recommending energy efficiency strategies for smart homes and policy makers.
- Explained over 50% of energy variance ($R^2 = 0.53$); insights supported energy-saving decisions.

PREDICTIVE ANALYSIS ON RAINY AND SUNNY DAY IN ILORIN.

- Developed a predictive model to forecast sunny and rainy days in Ilorin with 85% accuracy, enhancing local weather prediction and agricultural planning.
- Utilized meteorological software and Python for data analysis, ensuring robust methodology and reliable results.
- Compiled detailed reports on methodologies, findings, and recommendations for future weather prediction improvements.
- Supported farmers and planners by improving crop scheduling through localized weather insights.

EDUCATION

University of Essex   **Colchester, United Kingdom.**
M.Sc. Data Science   October 2023 — October 2024

University Of Ilorin   **Ilorin, Kwara. Nigeria.**
B.Sc. Physics.   September 2016 – August 2021

VOLUNTEER EXPERIENCE

Member of the Social and Education Group, NYSC Community Development Service.
January 2022 – October 2022.

- Educate the public on how to live right and avoid social vices.
- Carry out research on ways that we can re-orientate members of the society on how basic societal issues.

CERTIFICATES

- Preparing Data for Analysis with Microsoft Excel (Coursera) || CERTIFICATE

- Creative Designing in Power BI (Coursera) || CERTIFICATE

- Designing Engaging Dashboards for Health Care Analysis (Coursera)

- What Is Data Science. (Coursera) || CERTIFICATE