

Olaoluwa F. Saola

Data Professional

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📁 WORK EXPERIENCE

Data Engineer Volunteer, 07/2024 - Present

Aerits | Nigeria

- Analyzed disease outbreak patterns in 50 African countries by building live dashboards using Looker Studio to inform targeted health interventions.
- Organized health awareness programs based on dashboard insights. This led to a 50% increase in the number of community members attending health sessions
- Coordinated a 3-month research training program for 10 participants, focusing on disaster and emergency response research skills.

Data Scientist, 01/2024 - 06/2024

BitHq | United Kingdom (Remote)

- Mined data using Beautiful Soup and YouTube API to gather findings for content optimization, resulting in a 20% improvement in click-through rates.
- Applied natural language toolkit (NLTK) to develop models for predicting audience behavior with 85% accuracy.

Data Analyst Intern, 04/2024 - 06/2024

Spare Provider | India (Remote)

- Employed instant data scraper to gather contact information of about 300 mobile shops in India.
- Pinpointed trends in spare parts and repair services by creating visual reports using Power BI to emphasize essential sales metrics, resulting in a 15% increase in sales efficiency.

Data scientist, 11/2022 - 09/2023

Self-Employed | United Kingdom (Remote)

- Built a customer churn prediction model with CatBoost, achieving 85% accuracy and reducing churn rates by 10%.
- Integrated a scalable WebAPI with Flask to set up predictive models.

Griddb Engineer, 01/2022 - 06/2022

Fixstars | United States (Remote)

- Designed a time series model using a grid database and applied clustering algorithms to improve data retrieval efficiency by 20%.

🔧 SKILLS

Technical

- **Languages:** Python, SQL, PostgreSQL, MongoDB, HTML, CSS
- **Tools:** Flask, Power BI, Looker Studio, Git, GitHub, VS Code, Jupyter Notebook, MS Excel, Docker, ETL tools, Data Warehousing tools
- **Machine Learning:** CatBoost, Natural Language Processing (NLP), OpenCV, MediaPipe, Pycaw, Automated Machine Learning (Azure), Amazon SageMaker
- **Cloud Platforms:** AWS

Core Competencies

- **Leadership:** Led trainees at Aerits to achieve objectives through effective direction and collaboration.
- **Communication:** Explained complex data insights for actionable health programs.
- **Teamwork:** Collaborated on community health initiatives, driving a 50% increase in engagement.

- **Continuous Learning:** Acquired advanced machine learning techniques to enhance project outcomes.

PROJECTS

- **Hand volume control recognition system** -Engineered a hand gesture recognition model using opencv, media pipe, and pycaw to allow control of the computer audio volume through hand movements, and attained 85% accuracy in recognizing volume control gestures. [Project link](#) . Similar project [here](#).
- **Customer churn Analysis-** Deployed a machine learning model to predict customers at risk of churning and created a Power BI dashboard that identified 15 key reasons customers left the company. [Project link](#).
- **Monkeypox Dashboard** - Developed a real-time Looker Studio dashboard to monitor live updates on the Monkeypox pandemic across Africa [project link](#)
- **To-Do List App:** Implemented a smart To-Do List app that helps users organize tasks by calculating the priority score for each task based on 4 features; task difficulty, urgency, duration, and due date. [Project link](#).
- **Sales Report Dashboard:** Utilized Looker Studio to analyze profitability and sales performance, uncovering trends that boosted average revenue and delivered clear, data-driven visualizations. [Project link](#).

CERTIFICATIONS

- Machine Learning Essentials For Business and Technical Decision Makers | AWS [credential](#)
- Artificial Intelligence (AI) Bootcamp | DSN [credential](#)
- Automated Machine Learning In Azure Machine Learning | Microsoft [credential](#)
- Introduction to Amazon sagemaker | AWS [credential](#)

AWARDS

- Dual-time finalist of 5000 participants in Nigeria’s premier AI Bootcamp: Data Science Nigeria.

ARTICLES/PUBLICATIONS

- Customer churn prediction and Visualization [link](#)
- Common patterns in Data Structures and Algorithm [link](#)
- Data Engineering series [1](#) [2](#) [3](#)

EDUCATION

Obafemi Awolowo University, Nigeria — Bachelor's (Health Sciences)

09/2015 - 10/2020