

Edun Joshua

joshuaolubori@gmail.com | [linkedin.com/in/joshua-edun](https://www.linkedin.com/in/joshua-edun) | github.com/JoshuaOlubori | [Portfolio](#)

TECHNICAL SKILLS

Languages: Python, R, JavaScript, HTML/CSS

Frameworks: Pandas, Numpy, Matplotlib, Scikit-learn, Django, Flask, FastAPI, dbt

BI and Analytics: SQL (Postgres, MySQL, SQL Server, DuckDB), Advanced Excel, Power BI, Tableau

Statistical Data Analytics: SPSS, R

Developer Tools: Analytics engineering & Data modelling (dbt), Orchestration (Airflow), Developer Collaboration (Git), Geodata (QGIS), Cloud Engineering (GCP), Containerisation (Docker) Git, Docker, Google Cloud Platform, VS Code, R Studio

EDUCATION

Federal University of Agriculture, Abeokuta

Abeokuta, Ogun

Bachelor of Engineering in Agricultural and Bioresources Engineering

Mar. 2017 – Mar. 2023

Thesis: [Determination of the Best Infiltration Rate Models of FUNAAB Soil at CEADEASE Farm](#)

CGPA: **4.58/5.00**, First Class Honours, 2018 NNPC/Chevron Scholar

Concentrations: Environmental Engineering

Extracurriculars: Member, Electoral Committee of the Agricultural & Bioresources Student Association (2018 - 2019); Chairman, Electoral Committee of the Agricultural & Bioresources Student Association (2021); Design Team (Office of the Social Secretary), FUNAAB Student Union.

EXPERIENCE

Data Engineer

July 2024 – Present

EDMS — Dentallytics™

Ottawa, Canada

- Worked in the Data Integration team consisting of an international team of developers
- Built and maintained **ETL** (Extract Transform and Load) pipelines in Transact-SQL for hundreds of clinics in the US and Canada using differing third-party Patient Management Systems.
- Ensured accurate mapping of data from clients' Patient Management Systems to our proprietary Enterprise Dental Management System, guaranteeing the delivery of high-quality data to the Reporting Team
- Worked with other team members on new clients onboarding projects using agile scrum.
- Developed Python scripts to automate the documentation of over 100 EDMS table entries, linking tables to scripts that utilize them, reducing task time by 90%

Data Engineer

Jan 2024 – June 2024

SceneApps: Startup

Abeokuta, Ogun

- Contributed to the development of a AI powered data analysis and prediction tool for the sport analytics
- Streamlined data processing for over 73 international football leagues by architecting a containerized end-to-end pipeline in Airflow.
- Minimized downtime and ensured efficient data handling with complex business logic implementation within a Docker environment.

Graduate Assistant/NYSC Corp Member

September 2023 – June 2024

Oduduwa University

Ile-Ife, Osun

- Conducted statistical analysis on postgraduate student data with R and SPSS.
- Organized and delivered free tutorials for Computer Science students, focusing on the use of relational databases like PostgreSQL and MySQL for application development.
- Led a team of 45 volunteers Corp members as **Environmental CDS President** in Ife North LGA, organizing and executing various environmental projects including cleaning ditches and erecting information signposts. Spearheaded seminars to educate the community on the **UN SDG 12**.
- Streamlined various administrative processes in score recording, file organization, and memo drafting by utilizing advanced MS Word and Excel functions. Achieved a reduction in processing times by several days.

Data Analytics Instructor

May 2023 – Sept. 2023

Africa Trainovation Consulting

Abeokuta, Ogun

- Instructed 8 clients on average daily in effectively using advanced Excel functions, formulas, and data visualization techniques.
- Conducted interactive workshops and hands-on exercises to develop clients skills in SQL querying and database management.
- Guided clients in using Power BI for their business needs.

Assitant Database Administrator

July 2022 – Nov 2022

Chief Cornerstone High School

Abeokuta, Ogun

- Facilitated the implementation of software solutions in order to support the school's transition towards a data-driven enterprise; collected data on over **600** students and designed a 15 table database to hold the information
- Developed a Flask application with authentication, enabling users to register new students and staff. Designed to reduce time and resources required for registration processes, improving operational efficiency

PROJECTS

Nigeria COVID-19 Tracker | *Python (Pandas), Tableau*

Oct 2020

- Designed an interactive Tableau dashboard visualizing key metrics (**confirmed cases, infection rate, fatality rate**) of the COVID-19 pandemic in Nigeria, reaching **hundreds of users** online and providing valuable insights on the pandemic.
- Utilized Python's pandas library for data cleaning and analysis
- Addressed data quality issues like inconsistent date formats and French column headers
- Insights: Identified high caseloads in Lagos, Abuja, and Rivers due to factors like population density and port access

Football Data Pipeline | *Airflow, Python, MinIO, SQL, DuckDB, StreamLit, Docker, Git*

Jan 2024 – March 2024

- Developed an automated data pipeline using Airflow, enabling daily loading and analysis of over **1000** football fixtures from an API. The Streamlit frontend empowered a client with interactive data exploration.
- Utilized MinIO for scalable object storage and DuckDB for efficient in-memory data manipulation

UK Road Accidents and Casualties Tracking Dashboard (2021 - 2022) | *PowerBI*

June 2023

- Developed an interactive dashboard in Power BI to analyze **UK road accident trends** across 2021 and 2022, and deployed on Power BI Service
- Cleaned and modeled government-provided data to track KPIs like total accidents, casualties, and YoY comparisons.
- Enabled geospatial analysis of casualties by area/location and day/night, providing insights into accident patterns.

CERTIFICATIONS

Google Data Analytics | *Google*

June 2022

Google Africa Developer Scholarship | *Cloud Engineering, Google*

June 2022 – March 2023

- One of 3% of developers onboarded that made it to the certification phase.
- Architected cloud infrastructures on Google Cloud Platform (GCP).
- Created and queried cloud data storage solutions, specifically using Google BigQuery as a data warehouse as opposed to on-prem data centres

ALX-T Data Analytics | *Udacity, ALX*

July 2022 – Oct 2022

- Graduated top of cohort, subsequently earning [The Room fellowship](#)
- Used Python to analyze real world data, including gun sales trend in the United States
- Wrote and deployed code that passed multiple code reviews by seasoned Python developers

DataCamp Data Analyst Associate | *DataCamp, Ingressive For Good Scholarship*

June 2024