

Dorcas Oluwadare

Research Assistant

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PROFILE

MSc-qualified Bioinformatician with expertise in Python, R, SQL, and data visualisation tools such as Tableau, Power BI, and Excel. Skilled in Reactome, Galaxy, GEO and Geo2R, with experience handling genomics and NGS data using tools like samtools. Strong analytical skills, adaptable, and motivated to apply bioinformatics and data science to deliver actionable insights in research or industry

SKILLS

DNA extraction techniques

Proficiency in Microsoft Office (Word, Excel, PowerPoint)

Machine Learning

Biostatistics and Statistical Analysis

Data Visualisation

Tableau, Power BI, Excel

Programming

Python, R, SQL, SPSS

Bioinformatics Tools

Galaxy, Reactome, GEO/Geo2R, samtools, TNMplot, Gepia2, UALCAN, Human Protein Atlas

Qualitative and Quantitative Research

PROFESSIONAL EXPERIENCE

Graduate Researcher (MSc research)

Jun 2025 – Aug 2025

Teesside University

- Conducted independent qualitative and quantitative research on In Silico Characterisation of Biomarkers of Radiosensitivity in Head and Neck Cancer.
- Designed and completed a comprehensive bioinformatics study to identify and validate molecular biomarkers predicting radiotherapy response in head and neck squamous cell carcinoma (HNSCC).
- Utilized public gene expression datasets (TCGA, GEO), performed multi-step analysis, and cross-cohort validation to uncover novel prognostic biomarkers.
- Findings support the implementation of molecular profiling for personalized radiotherapy in oncology.

Research/Data Analyst

Mar 2024 – Aug 2024

Biometrics Unit, International Institute of Tropical Agriculture

- Applied R and Python to clean and analyse large datasets, improving accuracy of biometrics research by 15%
- Managed and organised large datasets using Excel.
- Assisted 8 research projects, ensuring accuracy and adherence to protocols.
- Delivered ML training sessions to 20+ researchers, strengthening team capacity in predictive modelling.
- Shadowed experienced professionals to gain insight into various roles and responsibilities within the organization.
- Created a ML model to predict price with a 85% accuracy.

Teaching Assistant

Mar 2021 – Aug 2024

Gracelight Foundation School

- Liaised with the headteacher to organise a new procedure of marking work, using colour coding.
- Put forward a new system for parent consultations in the classroom to provide a more valuable.
- Managed and coordinated multiple daily office operations, ensuring the accuracy of all data.

Administrative Assistant

Oct 2021 – Jan 2022

Enable Technologies for African Agricultural Transformation (TAAT)

- Provided administrative support, including data entry and contract writing.
- Assisted in the organization and management of office operations

- Maintained scheduling and event calendars for staff meetings, parties and important deadlines.
- Updated databases and spreadsheets regularly to track progress.
- Trained new administrative staff members in company procedures and best practices.
- Proofread documents for grammar, spelling, and formatting errors before distribution.

EDUCATION

Masters of Science (M.Sc) Bioinformatics <i>Teesside University</i>	Sep 2025 Darlington, United Kingdom
Bachelor of Agriculture (B.Agr) Animal Breeding and Genetics <i>Federal University of Agriculture Abeokuta</i> Grade obtained: 4.1 CGPA	Dec 2023 Abeokuta, Nigeria

CERTIFICATES

Hands on Training in Biomolecular Techniques March 2024 certified by Bioscience Unit IITA	Excel Training (May 2024) certified by Capacity Development Office IITA	Machine Learning intermediate Level Biometrics Unit (IITA)
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