

Maryam Umar

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EDUCATION

UNIVERSITY OF LIVERPOOL

MSc Health Data Science

Liverpool, United Kingdom

2024-Present

- Relevant Modules: Advanced Statistics, Statistics for Health Research, Project Management, Actionable Healthcare Data Analytics, Data Mining and Visualisation, Computational Intelligence, High-Dimensional Data Structures and Learning Algorithms, Using Routine Data for Public Health, Data and Engineering for Health Research.
- Projects: Exploring correlations between physical fitness and wearable health devices in hypertension using data, Predictive Modelling using DASS datasets for Mental Health Assessment, Statistical Analysis of Wine Data (Predicting wine quality with variables).
- Extracurriculars: Data Science & AI Society.

UNIVERSITY OF HERTFORDSHIRE

BSc (Hons) Adult Nursing

Hatfield, United Kingdom

2020-2023

- Grade: First Class Honours
- Relevant Modules: Evidence Based Nursing Practice, Communication and Relationship Management Skills for Nursing, Enhancing Communication in Adult Care Settings, Promoting Health and Preventing Ill Health, Leading and Managing Adult Nursing Care, Innovation in Evidence Based Nursing Practice, Clinical Decision Making in Adult Nursing.
- Thesis: Using EPR (Electronic Patient Record) Data for UTI Prevention in NHS Catheter Care.

PROFESSIONAL EXPERIENCE

RESET MSM – 360 Intern

London UK | Feb 2023 – Apr 2023

- **Developed Data Tracking Systems:** Designed and implemented an intern progress tracking system using advanced spreadsheet techniques and data organization methods, which reduced scheduling conflicts by **75%**. This was achieved through the creation of a data-driven calendar system informed by the insights collected from various tracking tools.
- **Increased Event Attendance:** Analysed attendance patterns and trends from company events over a three-month period, leading to a **30%** increase in attendance. This improvement was facilitated by leveraging data analytics to enhance scheduling and event promotion strategies.
- **Led Data-Driven Marketing Campaign:** Co-chaired the event marketing team and utilized social media analytics to drive a targeted marketing campaign. This campaign effectively increased attendance at the Paralympic Q&A event featuring Kylie Grimes to **80%**, demonstrating the impact of strategic data.

ARMY HQ CLINIC – Lab Intern

Abuja NG | July 2022 – Sep 2022

- **Data Management and Analysis:** Efficiently managed and entered data for over **500** samples into a centralized database, applying data integrity practices to ensure accuracy. Implemented data management tools that improved data entry efficiency by **20%**, enhancing the accessibility and usability of lab results for subsequent analysis.
- **Audit and Quality Assurance:** Conducted routine audits of **15+** pieces of lab equipment, identifying and reporting discrepancies and maintenance issues. The audits resulted in a **30%** reduction in equipment-related errors and improved operational efficiency, leading to more reliable diagnostic results.
- **Quality Control and Data Tracking:** Implemented and monitored quality control procedures for handling and labelling over **1,000** samples. Improved sample tracking and processing accuracy by **25%**, contributing to a **15%** increase in the reliability of test results and overall patient care.

ADDITIONAL INFORMATION

- **Technical Skills:** Data Analysis (Pandas, NumPy, R), Machine Learning (Scikit-Learn, TensorFlow, PyTorch), Statistical Analysis (Hypothesis Testing, Regression, ANOVA), Database Management (MySQL/PostgreSQL), Web Development (HTML/CSS), Web Scraping (Beautiful Soup), Development Tools (GitHub, Jupyter Notebooks), Data Visualisation (Tableau/PowerBI), Microsoft Office.
- **Soft Skills:** Critical problem solving, Learning Agility, Analytical Thinking, Teamwork, Creativity, Technical Communication, Agile Workflow, Leadership, Project Management Skills
- **Languages:** English, Hausa, Arabic.