**IGBOABUCHUKWU SANDRA OLUCHI**

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**PERSONAL STATEMENT**

I am a self-starter, a prolific thinker, and a detailed oriented individual with a background in health field who is enthusiastic about data science and seeks to engage in an intellectual environment where I can apply my basic technical knowledge to solve problems especially within the health domain.I also have the ability to work well independently with little or no supervision.

**FIELD OF INTEREST**

Health data science

Data-analysis

Health informatics

**EDUCATION**

**ALTSchool Africa Nov 2024- date**

**School of Data- Data science course**

Relevant Course work: Python programming, data-visualization, data-analysis,machine learning

**University of Miguel Hernandez, Spain 2023-date**

**Institute for Research, Development, and Innovation in Health biotechnology of Elche**

This master’s focuses on pre-clinical research in pharmaceuticals

**University of Piedmonte Orientale, Italy 2022-2023**

**Department of Pharmaceutical Sciences, Novara, Italy**

This focused on courses in statistics, data mining, and drug discovery with respect to pharmacy and

dermatology.

**University of Lagos, Nigeria 2015 - 2019**

**Faculty** **of Pharmacy**

**TECHNICAL SKILLS**

Programming Languages: basic/ beginner level in Python (NumPy, Pandas,), R, SQL

Tools & Technologies: Jupyter Notebook, Tableau, Excel, Power BI, Git, Goggle collaboratory

Machine Learning: Basic Knowledge of supervised learning and unsupervised learning

Other Skills: Data Wrangling, Data Cleaning, Statistical Analysis, Data Visualization

**PROJECTS**

1. **Prediction of Myeloproliferative neoplasm using R Programming:**

* Performed analysis of health data sets using R and STATA software
* Data wrangling, pre-processing and manipulation with R and Excel.
* Performed Literature review and scientific research on papers
* Built a logistic regression model using Obesity variables based on historical/clinical data
* General Data Protection Regulation course in health data protection and privacy (UK) for research

1. **Heart Disease prediction using Machine learning:**

· Built a predictive model using Python to forecast sales based on historical data.

· Utilized data preprocessing techniques, feature engineering, and linear regression to 85%

accuracy.

· Visualized insights using Matplotlib and Seaborn.

**WORK EXPERIENCE**

**Student intern, 10alytics Ed Technology Agency**

* Worked with team members in creating dashboards using Excel and Power BI.
* Worked with business dataset using SQL and Python software for basic programming.

**CONFERENCES**

* **Aberdeen AI in Healthcare Collaborative (AAHC):** Collaboration between the NHS(National Health Service) and academia Artificial Intelligence Research and Evaluation.

Participant, June 2024, Aberdeen, United kingdom.

**WORKSHOPS AND TRAINING**

* **Machine learning in Health care:**

Participant, Center of Health Data science, Aberdeen,

Focused on the foundations of machine learning; case studies of machine learning applications using health data; technical, ethical, and legal challenges in the field.

**ASSOCIATIONS**

Member of health Informatics Peer Group(canada)

Member of Pharmaceutical Society of Nigeria(PSN)

**EXTRACURRICULAR/VOLUNTEERING ACTIVITY**

**Team Member of Data Quality Assessment, Clinton Health Assess Initiative (CHAI) NGO**

* Participated in data collection for the End-line Assessment of Post-Partum family planning in primary and tertiary health facilities.
* I was responsible for data collection and uploading using an electronic questionnaire (SurveyCTO)