


TAIWO OWOSENI, MDS.

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SKILLS

Applications: AWS, Docker, PowerBI, Excel, Github, Git, Jupyter Notebook, Rstudio, Tableau

Programming Languages and Database: Python, R, MySQL, PostgreSQL

Libraries: Numpy, Pandas, Pytorch, Scikit-Learn, Matplotlib, Hugging face, Ggplot, Dplyr

Technical Skills: XGboost, GLM, Regression, Clustering, SVM

EXPERIENCE

Data Science Fellow - Correlation One

Jun'22 – Aug'22

- Teamed with 5 fellows in the build and delivery a data science product using machine learning and natural language processing (NLP) to analyze health outcomes and public sentiment
- Developed, validated, and executed algorithms to web scrape data (>50,000 observations), performed exploratory data analyses (EDA) and modeling for structured and unstructured data in Python.
- Wrote project frameworks and code dictionaries to enhance reproducibility and efficiency of workflows
- Communicated analytic findings to leaders and external partners using Tableau visualizations

Machine Learning Engineer - Trusting Pixel, Capstone Project

Apr'22 – Jun'22

- Built a machine learning model with 92% accuracy to distinguished between recaptured and original images
- Trained the model on 2000 images, validated it with 500 images and tested on 50 images
- Integrated the final model in a web app for easier adoption of Trusting pixel authentication team

Graduate Teaching Assistant: Database in Data Science - UBC

Feb '22– Apr '22

- Explained database concepts to 30 students leading to engaging question and answer sessions
- Provided meaningful feedback to 20 students after grading assignments and class works

Business Intelligence Operations Analyst - Airtel Nigeria

Sep '20 – May '21

- Developed queries to investigate over 100 suspected terrorists and authenticated over 1,000,000 existing customer profiles
- Prepared reports that communicated market opportunities and conditions in 12 areas where the network was least used in 6 months

Lead Data Analyst - OneHealth Nigeria

Jun '20 – Sep '20

- Identified customers' buying patterns and proposed sales strategies that increased sales by 20%
- Discovered complementary products bought by customers and proposed putting the products in the same shelf. This helped selling 50 products three months before their shelf life

PROJECTS

Data Engineer: Data Pipeline for a Scheduled Real-Time Data Visualization

- Utilized GitHub action to build a data pipeline with python scripts that ingests scraped twitter data generated by earthquakeBot. Transformed then loaded it into sub-folders. The loaded data is consumed by a script that creates a world map with a heat map showing the magnitude of earth quake in the world.

Machine Learning: feature interpretation and analysis

- Interpreted, analyzed and compared the features importance of three machine learning algorithms: *random forest*, *logistics regression* and *light gradient boost* on a pumpkin dataset found in Kaggle

EDUCATION

Master of Data Science

Jun '22

University of British Columbia, Vancouver, BC, Canada

Bachelor of Technology, Computer Science

Oct '18

Federal University of Technology, Akure