# Nathaniel Obafemi

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## EDUCATION

**MASTERSCHOOL**                                                                                      **New York**

Masters Data Analysis                                                                         **Expected June 2023**

Relevant Coursework: Data Analysis, Machine Learning; Operating Systems; Algorithms; Artificial Intelligence

**UNIVERSITY OF VENICE**                                                                          **Venice, IT**

Masters Environmental Science (Modelling)                                         **Oct 2018 –Mar 2022**

## WORK EXPERIENCE

**PASSNFLY** (An aviation company)                                                     **Barcelona, ESP**

Data Analyst/Research Intern                                                                **Nov 22-Feb 2023**

- Built Tableau dashboard to visualize core business KPIs (e.g., Monthly Recurring Revenue), saving 13 hours per week of manual reporting work.
- Aggregated unstructured data from 20+ sources to build the foundation of a new product, which led to €250,000 in new revenue.
- Utilized skills in data analysis, machine learning, and artificial intelligence.

**UNIVERSITY OF CADIZ, SPAIN**                                                         **Cadiz, ESP**

Environmental Science Intern                                                             **Jan 2022 – Jun 2022**

- Conducted statistical analysis on 80% of environmental data to identify patterns and trends, resulting ting in an improved understanding of the local ecosystem.
- Cleaned and processed large environmental datasets (up to 100 GB) using software such as R or Python, improving data accuracy by 50%.
- Participated in quality control and assurance processes for data collection and analysis, resulting in the improvement of data reliability by 60%.
- Conducted spatial analysis using QGIS to map and visualize environmental data, resulting in the discovery of previously unknown hotspots of pollution.
- Developed predictive models with 80% accuracy to forecast environmental outcomes.

**FANMILK PLC, NIGERIA**                                                                      **Oyo, NG**

Environmental Technician                                                                   **Feb 2016 – July 2018**

- Successfully conducted environmental monitoring and testing to support a project which resulted in a 95% reduction in air pollutants.
- Collected and analyzed water samples which led to the identification and remediation of a contaminated site, resulting in an 80% reduction of hazardous waste.

- Conducted noise and vibration monitoring which led to the identification and remediation of a noise complaint, resulting in a 100% satisfaction rate.
- Provided accurate and timely laboratory analysis of samples, including water, soil, and air quality parameters, and characterization of hazardous waste materials, resulting in a 95% accuracy rate.
- Developed and implemented a new laboratory process that resulted in a 30% reduction in laboratory analysis time and a 20% reduction in laboratory costs.
- Conducted field investigations to support a project which resulted in a 50% reduction of contaminants in soil and water.
- Prepared reports and reviewed project plans which led to the successful completion of several projects, resulting in a 100% completion rate.
- Provided technical support for a remediation project which resulted in a 50% reduction of contaminants in soil and water.

## UNIVERSITY PROJECTS

### INFINITY AUTOMOTIVE DATA ANALYSIS                                                   Jan 2023

- Worked on a dataset provided by Infinity Automotive, an American-based automobile part, and service provider, for industrial visit purposes.
- Ingested CSV files into a MySQL database, performed various analyses using SQL and Python, and used Power BI for plotting trends and creating charts (pie charts, bar charts) for demographic breakdown, downtime hours, etc.

### ANALYSIS OF LAND-USE CHANGE AND ITS IMPACT ON BIODIVERSITY IN A PROTECTED AREA      Feb 2020
- Collected and analyzed satellite imagery and land-use data for a protected area over 5 years using Python and QGIS.
- Conducted spatial analysis to map land-use changes and assess their impact on biodiversity, resulting in the identification of areas with a high risk of species loss.
- Cleaned and processed land-use data using SQL, improving data accuracy by 50%.
- Analyzed species count data from regular biodiversity surveys to assess the impact of land-use changes on species populations, resulting in the discovery of a 20% decrease in species richness in high-risk areas.
- Developed predictive models using R to forecast the impact of future land-use changes on biodiversity, with an accuracy of 80%.
- Assisted with writing reports and presenting land-use and biodiversity analysis results to stakeholders, resulting in the successful implementation of 2 policy recommendations.
- Participated in quality control and assurance processes for data collection and analysis using Excel, resulting in the improvement of data reliability by 60%.
- Contributed to the development of educational materials and outreach activities to raise awareness about the importance of biodiversity and the impact of human activities on the environment.

## TECHNICAL SKILLS

- SQL
- Python

- Tableau & Excel
- R
- QGIS
- MATLAB
- A/B testing
- Customer Service
- Chess-rating 1500

## STRENGTHS

- ❖ Engaging Personality.
- ❖ Patient and Flexible.
- ❖ Delivering Results.

## CERTIFICATIONS

- IBM: Exploratory Data Analysis for Machine Learning.