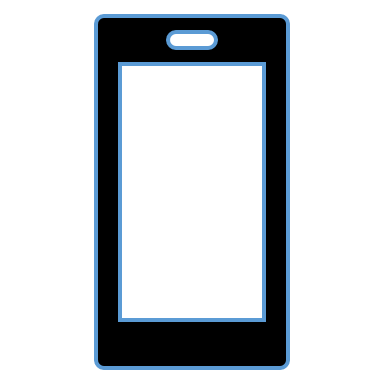
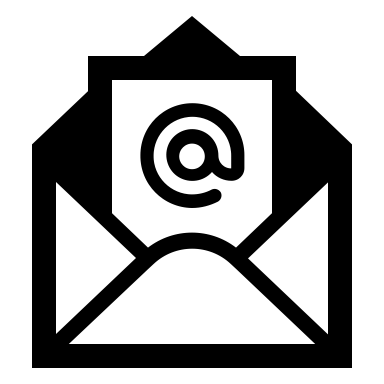
**Ayo Makinde**

 07733356355 [makinde90@gmail.com](mailto:makinde90@gmail.com)



Logo

Description automatically generated [www.linkedin.com/in/ayoola-makinde-79576a16b](http://www.linkedin.com/in/ayoola-makinde-79576a16b) 💼<https://github.com/Ayoola17>

**PROFESSIONAL PROFILE**

Developer with background in data science and python development. I have 5+ years' experience in developing solutions with python and using Machine Learning algorithms to solve challenging problems. I have a strong background in Exploratory Data Analysis, Business Intelligence and Management reporting. I’ve also been involved in several Machine Learning and Deep Learning competitions.

# KEY EXPERTISE

|  |  |  |
| --- | --- | --- |
| **Programming languages** | **Machine Learning** | **Deep Learning** |
| * Python * SQL * PySpark * HTML and CSS | * Supervised and Unsupervised Learning * Classification and Regression algorithms * Clustering algorithms | * Computer Vision * Natural Language Processing * Audio recognition |

**WORK EXPERIENCE**

|  |  |
| --- | --- |
| **Dates** | **Roles** |
| **APR 2022 – Dec 2022**  Python, SQL, Django, Azure, ETL,  Tableau, HTML and CSS | **British Petroleum BP - (Fixed Part Term Employment)**  **Position: Data Engineer**   * Created workflows for data aggregation for the BP pulse mobile services using Datadog and custom python scripts. * Implemented data transformation pipelines to redact confidential and personal information using python and azure pipelines to help comply with GDPR for internal data processing. * Implemented the first reporting dashboards for management reporting on tableau and created custom dashboards using Django to aggregate additional information for presentation. |
| **Feb 2020 – Jan 2021**  Python, SQL, PySpark,  Machine Learning,  Deep Learning,  TensorFlow, DataLake, Firebase, EDA (Exploratory Data Analysis) | **WorldRemit LTD - Remote**  **Position: Data Engineer**   * Create the first experimental ML model using TensorFlow to do batch duplicate user detection leading to about 10% purge of the user records in conjunction with the fraud team * Supported the data analytics team to aggregate date for mobile and web team in to the Elasticsearch data lake * Helped define analytics data and created the convention for user journey tracking for data analysis tools including Google firebase and Usabilla which has improved the data filtering capabilities for both web and mobile. * Wrote custom SQL scripts to present aggregate data into the custom management reporting dashboard for near real time reporting which is now used for weekly product roadmap discussions. |
| **2018 –2020**  Machine Learning,  Exploratory Data Analysis,  Data Visualization,  Power BI | **State Universal Basic Education Board**  **Position: Data Analyst**   * Implemented data cleaning and transformation using python pandas to produce data analysis from both structured and unstructured data sources, and created a Machine Learning model using Python sklearn library to aid strategic decision-making and provided unique insights into Data during mass recruitment of Teachers by the Board. * Presented insights informed by interactive dashboard using Matplotlib and Seaborn in addition to the written detailed reports. |
| 2017 –2018  Python, Django, Classification and Regression algorithms,  Clustering algorithms | **Lagos State University ICT Centre**  **Position: Data Science intern**   * Supported the definition of new Data Architecture and implementation roadmap in collaboration with the IT and software engineering team by building a polling web application with Python Django web framework for student union election and visualizing the result using Matplotlib and Seaborn. * Used linear Regression model to deliver insights into relationships between students' financial status and how it affects their academic performance. |

**EDUCATION & CERTIFICATIONS**

|  |  |
| --- | --- |
| **Dates** | **Institution** |
| 2022 – present | **University of Hertfordshire** MSc, Data Science (Distinction)  ***Modules:*** Applied Data Science, *Machine Learning, Deep Learning and Neural Networks, Data Mining and Discovery, Data handling and visualization.* |
| 2022 | **IBM** Data Science Professional Certificate  ***Modules:*** *Data Science Methodology, Databases and SQL for Data Science, Data Analysis and visualization with Python, Machine Learning with Python, Applied Data Science.* |
| 2020 | **Federal University of Agriculture Abeokuta** BSc (Hons), Physics  ***Modules:*** *Quantum Mechanics, Analytical Mechanics, Computational Physics, Statistical and Thermal Physics, Applied Statistics and Algorithm Techniques* |

**ACHIEVEMENTS**

**Dog Breed Recognition software – Project Lead**

Developed a Dog Breed Recognition Artificial Intelligence software using TensorFlow and Deployed it using the python Django web framework.

**Astronomy Picture of the Day challenge – Team Lead**

Developed a Deep Learning model using the GoogLeNet Inception architecture the model correctly classified 5000 real and fake Astronomy picture to an Accuracy of 97%.

**REFERENCES**

Available on request