# Adeniyi Demilade Adeboye

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## TECHNICAL SKILLS

**Programming Languages**: Python, SQL, SAS, Java
**Machine Learning:** Supervised and Unsupervised Learning, NLP, Computer vision,
**Data warehouse tools:** AWS, PostgreSQL, Apache Cassandra, Apache Airflow, Apache Spark
**Libraries:** Scikit-Learn, Pandas, NumPy, NLTK, TensorFlow, Keras, Pytorch, SpaCy, Scipy, Plotly

## EXPERIENCE

Broad Institute of MIT and Harvard, Cambridge, MA
**Data Science Intern**                                                  **September 2020 – Present**
- Currently working on image-based profiling projects with the aim of mining patterns from biological images that are useful for many steps in drug discovery.

MEDICINES DISCOVERY CATAPULT, Alderley Park, United Kingdom
**Data Science Intern**                                                        **July – August 2020**
- Developed concept detection algorithm that can automatically detect clinical concepts from medical images based off state-of-the-art deep convoluted neural networks models using TensorFlow.

**Freelance Data Scientist**                                              **January 2020 - Present**
Successfully completed projects and gained expertise in various aspects of advanced data analytics, machine learning algorithms, and data visualization techniques. ***Some of the projects completed include:***

**Timeseries analysis and forecast on UK's road traffic and accident data**
- Predictive analytics on United Kingdom's road traffic and accident datasets with the aim of gaining detailed insights into long term traffic and accident trends in UK and to further forecast the rate of accident in UK for the next 2 years, using statistical models (SARIMA) and deep learning models (LSTM).

**Automating and Developing end-to-end (ETL) Extract-Transform-Load Data Pipeline**
- Developed an ETL Data pipeline (based on UK Traffic and Accident Datasets) using Pyspark, Apache Airflow and AWS for the purpose of developing a Star Schema and Aggregated tables that can be queried to create traffic analytics dashboard.
  *(GitHub project links: https://github.com/AdeboyeML?tab=repositories).*

MARUM – Centre for Marine Environmental Sciences, Bremen, Germany
**Research Assistant**                                              **January 2018 – September 2019**
- Performed assessment on the extent of aerobic microbial biodegradation on ductile asphaltic samples, through mass spectral data analysis using Gas Chromatography – Mass Spectrometry (GC-MS).

- Attained insights into the architectural styles of channel-levee systems by processing and analyzing 3D and 2D-multichannel seismic dataset.

## EDUCATION

**M.Sc. Data Science & Analytics** – Grand Valley State University, Grand Rapids, MI            Present
**M.Sc. Marine Geosciences** – Universität Bremen, Bremen, Germany                    September 2019
**B.Sc. Geology** – University of Ilorin, Ilorin, Nigeria                                    August 2015