Adeniyi Demilade Adeboye

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TECHNICAL SKILLS

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

EXPERIENCE

Freelance Data Scientist **January 2020 - Present**

Successfully completed numerous projects and gained expertise in various aspects of advanced data analytics, machine learning algorithms, and data visualization techniques. ***Some of the projects completed include:***

Predictive analytics 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).

Film Script Analysis

- Developed an analytical / machine learning algorithm on over 1000+ movie scripts using Natural Language Processing (NLP) frameworks for the purpose of performing in-depth film script and novel analysis.

Automating and Developing end-to-end 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**

Participated and led research for successful projects utilizing strong data analysis and research competencies.

- 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.

- Administered successful execution of decompaction and backstripping techniques in MATLAB by assessing subsidence rate in sedimentary basins.

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