

# Adeniyi Demilade Adeboye

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## Data Scientist

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A current Data Science & Analytics graduate student well-rounded at statistical analytics, building, implementing, and evaluating machine learning and deep learning models to solve specific data science task. Excellent verbal and written communication and presentation skills and highly refined self-learning skills.

- Data Science & Analytics
- Machine Learning
- Data and Quantitative Analysis
- Decision Analytics
- Natural Language Processing
- Data Mining and Visualization
- Database Design
- Data Warehouse
- Analytical Research
- Process Improvement
- Communication Skills
- Team Collaboration

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## Technical Skills

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Python, PostgreSQL, Pandas, Numpy, Spacy, Plotly, Matplotlib, Classification, Regression, Computer vision, NLP, Pytorch, Keras, Sci-kit learn, Pyspark, Apache Airflow, AWS (Amazon Sagemaker, S3, Redshift).

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## Career Experience

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### 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:***

- Developed a Recurrent Neural – Long-Short Term Memory (RNN-LSTM) on multi-variate time series datasets (machines) with the aim of forecasting breakdown of the machines in the future (<https://github.com/AdeboyeML/Anomaly-Detection-Project-Exercise-using-RNN-LSTM>).
- Developed an analytical / machine learning algorithm on over 1000+ movie scripts using NLP frameworks for the purpose of understanding character's interrelation with one another, scene dialogue's sentiment and emotions, and various aspects of the scenes that interest the screenplay writer ([https://github.com/AdeboyeML/Film\\_Script\\_Analysis](https://github.com/AdeboyeML/Film_Script_Analysis)).
- 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. ([https://github.com/AdeboyeML/UK\\_Accident\\_Traffic\\_ETL\\_Pipeline](https://github.com/AdeboyeML/UK_Accident_Traffic_ETL_Pipeline)).

### Research Assistant – MARUM, Bremen, Germany

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.

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## Education & Credentials

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**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