

Gabriel Braimah

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I am a seasoned data scientist with 3 years of experience. I am equipped with a robust statistical foundation and expertise in utilizing data mining, data processing, data analytics, and machine learning techniques. I leverage my problem-solving and critical thinking skills to deliver valuable insights to companies, automate processes, and contribute to business goals. Holding a master's degree in applied artificial intelligence and data science, I am adept at conducting research and implementing solutions within the AI domain.

Work Experience

Data Scientist	Geomiq Limited	Apr. 2023 – Present
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- Build and maintain dashboards in PowerBI delivering insights to stakeholders and enabling them track key performance metrics within the business.
- Automated the process of extracting important/identifiable information (NER) from PDF documents using a LLM on Vertex AI.
- Effectively communicate complex technical concepts and implementation to stake holders.
- Model, deploy, and monitor machine learning pricing models boosting automated price coverage by more than 100%.
- Built and deployed mathematical models to automate pricing across different manufacturing service lines.
- Work with cross functional teams comprising of product managers and software engineers to develop and deploy AI solutions for business problems.

Data Scientist	Istya Limited	Nov. 2022 – Feb. 2023
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- Cleaned, restructured, and regularized sensor data gotten from MongoDB into a desired regular time series format using pandas and NumPy.
- Conducted multivariate and univariate time series data analysis using both pandas and the random forest important features feature.
- Built and deployed several deep learning and machine learning models to predict the different features of the air quality dataset.
- Built and deployed a web app hosted on Heroku to enable stakeholders interact with the models.

Data Scientist	Sestec Technologies Limited	May. 2020 – Aug. 2021
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- Conducted cluster analysis for customer profile segmentation.
- Developed machine learning models to predict the likelihood of a customer buying a recommended product.
- Identified, analysed, and interpreted trends in large datasets using supervised and unsupervised learning techniques.

Portfolio

- Performed NER using a combination of text embeddings from MBERT and cosine similarity.
- Built and deployed a univariate time series random forest model for cryptocurrency prediction.
- For my master's dissertation I built a British sign language recognition system using OpenCV and several deep learning models while using the Google's Mediapipe framework to generate the data and build the data pipeline during real-time testing. Before that I explored using Convolutional Neural networks in combination with image processing algorithms like Histogram equalization and smooth filtering that comes with the OpenCV library.
- Fine-tuned the T5-small LLM model on article summarization task and information extraction.

Education

Master of Science: Applied Artificial Intelligence and Data Science

Southampton Solent University - Southampton, England

Sep. 2021 – Oct. 2022

Bachelor of Science: Chemistry

University of Abuja - Abuja, Nigeria

Dec. 2008 – Jul. 2014

Certifications

- TensorFlow on Google Cloud (<https://coursera.org/share/955853122e359bdb43396d8daeb0cf83>)

Core Proficiencies

- BigQuery | Matplotlib | PowerBI | Deep learning | SQL | Pandas | Numpy | Scikit-learn | VertexAI | Python | Git | Jira | Tensorflow | Pytorch | Docker

Other Proficiencies

- C++ | Swift | | DBT