

Fisayo Banjoko

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Profile

I am a self-driven and passionate Data Scientist with experience using data analysis techniques and machine learning algorithms to build models in a variety of applications, seeking to gain work experience at a reputable company. I am interested in exciting projects that challenge me and opportunities to put my technical skills to good use.

Work Experience

Data Science Consultant (Contract) | Varsity Tutors October 2022 - Present

- Performed sentiment analysis on client's data from reviews and social media to draw insights from customer feedback and to reveal areas that needed improvement. This resulted in a decrease in customer complaints and an increase in sales and customer satisfaction.
- Implemented ARIMA and SARIMA to perform correlation and sensitivity analysis between web scraped historical economic events data and market price movements in Bitcoin for a financial advisory firm, helping investors and financial professionals make more informed decisions in their investment strategies.
- Utilised sophisticated data analysis techniques on complex weather datasets to extract and interpret prevailing weather patterns, enabling trend identification and forecasting from multi-dimensional meteorological data for an environmental science company.
- Built an intelligent chatbot for a flower shop business using natural language processing, to understand customer questions and automate responses to them, simulating human conversation.

Data Science Intern | Imperial College Health Partners July 2022 – August 2022

- Performed Exploratory Data Analysis using Python and built a Logistic Regression model to determine the risk factors that are most predictive of diabetes risk, and if a subset of the risk factors can be used to accurately predict the probability of an individual having diabetes.
- Built a Poisson and Negative Binomial Regression model using R to analyse healthcare services used by unpaid carers in Northwest London. This revealed how certain variables such as accidents and emergencies, gender, index of multiple deprivation and other socioeconomic factors affect unpaid carers' access to healthcare.

Robotics Trainer (Assistant Team Lead) | Awarri June 2020 – June 2022

- Developed custom procedures within the company's product framework to customise the functionality of the robot according to specific organisational requirements.
- Aided organisations in integrating automation mechanisms into their operational workflows to enhance workflow efficiency and productivity by imparting in-depth knowledge of robotics fundamentals and processes to employees.
- Offered in-depth technical aid and assistance to other members of the team, facilitating problem-solving, code optimisation, and knowledge sharing to enhance overall project efficiency and effectiveness.

Education

Master of Science in Data Science and Artificial Intelligence

2024

University of London, London

Grade: Distinction

Relevant Courses: Machine Learning, Artificial Intelligence, Mathematics for Data Science, Statistics and Statistical Mining.

Bachelor of Science in Electronic and Electrical engineering

2020

Obafemi Awolowo University

Projects

- Hate Speech Guardian: Built an advanced text classification system leveraging natural language processing techniques to identify and combat hate speech on social media, adept at recognising linguistic manipulations, and achieving high accuracy through extensive data preprocessing and model training.
- Galaxy Image Classifier: Developed and trained a convolutional neural network (CNN) using TensorFlow and Keras frameworks to accurately classify astronomical images into two categories: spiral and elliptical galaxies. The goal was to enable astronomers to efficiently categorise and analyse large-scale galaxy surveys, aiding in the understanding of galaxy morphology and evolution.
- MindMate: Developed a mental health chatbot by fine-tuning a GPT-2 model using PyTorch. Used conversational data between mental health professionals and individuals seeking help to provide support and answers to mental health-related questions.

Technical Skills

- Programming languages: Python, R, SQL
- Machine learning frameworks: TensorFlow, Keras, Pytorch, Sci-Kit learn, NumPy, Pandas, NLTK
- Others: Data Wrangling, Web Scraping, Statistical Analysis, Database Management, AWS, Tableau

Certifications and Courses

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| • Data Analysis with Python | IBM |
| • Introduction to Machine Learning | IBM |
| • Computer Vision and Image Processing Course | IBM |
| • Applied AI Specialist Professional Certificate | IBM |
| • Machine Learning with Python- From Linear Models to Deep Learning Micromasters Course | MIT |