

Skills

Languages: Python, MATLAB, SQL | **Tools:** Git, GitHub, Linux

Databases: PostgreSQL | **Cloud Computing:** AWS (EC2, RDS, S3, IAM), Apache Kafka

Education

AiCore

Data Engineering Career Launch Programme

Sept 2023 – Dec 2023

- An extensive bootcamp centred on experiential learning, emphasising practical skills acquisition by actively participating in hands-on projects to create real-world applications

Manchester Metropolitan University

BSc Mathematics Grade: 1st

Sept 2020 – Aug 2023

Dissertation: Investigating the effectiveness of neural networks to forecast stock prices in the short term (1st)

All Saints Catholic High School

A-Levels: Mathematics (B), Biology(B), Physics(C)

Projects

Multinational Retail Data Centralisation | Github Repo

- Employed Python, APIs, PostgreSQL, Pgadmin4, Pandas, and AWS RDS
- Engineered a system to extract retail sales data from diverse sources, including PDF documents, an AWS RDS database, RESTful API, JSON and CSV files
- Thoroughly cleaned and processed a significant dataset of over 100,000 records, ensuring the data's readiness for modeling within a star-based database schema
- Conducted an in-depth analysis of the processed data, revealing valuable insights pertinent to the retail industry. These insights serve to enhance business operations and improve decision-making processes

Python for scientific computing and TensorFlow for Artificial Intelligence workshop

- 25+ hours of hands-on training allowed me to learn foundational programming concepts like functions, loop and conditional statements.
- Developed skills in deep learning techniques like backpropagation algorithms, Keras, and TensorBoard by implementing models for image processing
- Implemented convolutional and recurrent neural networks in TensorFlow using Google Colab notebooks

Experience

SCS

Sales Professional

Sept 2023 – Present

- Implemented and executed highly effective sales strategies and client engagement techniques, consistently exceeding monthly sales targets by 20%
- Built and maintained relationships with clients ensuring a thorough understanding of their requirements and preferences to give the best service to create an everlasting impression

MyTutor

A-Levels and GCSE's Mathematics Tutor

Nov 2021 – Jan 2023

- Assisted 3 struggling GCSE students and one A-Level student in surpassing their predicted grades
- Communicated complex mathematical concepts in a concise manner, resulting in a 40% reduction in students' average time spent on homework
- Created progress reports for teachers and parents to track their students/child's development

Volunteering

United Women Association Volunteering

Teaching Computer skills

June 2022 – Sept 2022

- Provided digital skills coaching to a group of 10 migrant women; enabled all participants to successfully create personal email accounts and increased Microsoft Office proficiency of all women through hands-on mentoring