

## Summary

Computer Science graduate turning data into actionable solutions. Experienced in building and deploying ML models with TensorFlow, Keras, Scikit-learn, Flask, and Streamlit. Skilled in Python, C++, SQL, and feature engineering, with a focus on accurate, optimized AI systems.

## Education

University Of The West of England 2024

Bachelor of Science in Computer Science | Artificial Intelligence Pathway

## Skills

- Programming Languages:** C++, Python, SQL
- Machine Learning:** Scikit-learn, TensorFlow, Supervised & Unsupervised Learning, Neural Networks, OpenCV ,Natural language processing (NLP), Ensemble Methods, Model Evaluation techniques, Hyperparameter Tuning, Feature Engineering
- Data Analysis & Visualisation:** Pandas, NumPy, Seaborn, Matplotlib, Exploratory Data Analysis, Data cleaning & Wrangling
- Tools:** Git, Docker, Jupyter Notebooks, FastAPI, Flask, Streamlit
- Soft Skills:** Problem-Solving, Time Management & Adaptability, Self-Learning & Continuous Improvement

## Project Highlights

- Premier League Match Outcome Predictor**  
Predicted match outcomes using historical data with DNN, SVM, and Random Forest models. Achieved high accuracy through preprocessing, feature engineering, and model comparison.  
**Tech Stack:** Python, Pandas, NumPy, Scikit-learn, Tensor- Flow, Keras
- Engine Anomaly Detection & RUL Prediction**  
Built GRU-based model predicting engine remaining useful life from sensor data (MAE: 17.84, R<sup>2</sup>: 0.83). Deployed via Flask for real-time input and predictions.  
**Tech Stack:** Python, TensorFlow, Keras, NumPy, Scikit-learn, Flask
- Traffic Violation Detection (In Progress)**  
Developing YOLOv8 system to detect wrong-way driving integrating Flask/FastAPI.  
**Tech Stack:** Python, OpenCV, YOLOv8, Flask, FastAPI

## Certifications

- Generative AI Fundamentals**  
Databricks  
Oct 2024
- Deep Learning Specialization**  
DeepLearning.AI, Coursera  
In Progress

## Experience

- \* Data Scientist- BCG X (Indirect contract)**  
November 2025 - Present
  - Participating in a structured virtual programme simulating business and data challenges.
  - Working through guided ML and analysis tasks inspired by consulting scenarios.
  - Applying predictive modelling and reviewing solutions to strengthen reasoning and workflow skills.
  - Building practical confidence in data-driven problem solving.

\* Data Science, Data analysis
- \* Data Scientist - EduLumos (Project-based internship)**  
October 2025 - November 2025
  - Performed EDA, visualisation, and data cleaning.
  - Built and evaluated ML and NLP models for prediction and sentiment analysis.
  - Managed small end-to-end workflows on real datasets.

\* Machine Learning, Data Science, Data Analysis
- \* Machine Learning Engineer- Elevvo (Project-based internship)**  
August 2025 - September 2025
  - Developed ML models for regression, classification, and forecasting.
  - Improved accuracy through feature engineering and tuning.
  - Supported full ML lifecycle from EDA to model reporting.

\* Machine Learning, Data Science, Deep Learning
- \* Airport Hostess - Bristol Airport**  
June 2022 - November 2022
  - Delivered customer support in a fast-paced environment.
  - Resolved passenger queries and maintained operational accuracy.

\* Data Management, Customer Service

## Languages

- English\*\*\*\*\*
- Arabic\*\*\*\*\*
- French\*\*\*\*\*