

AFOLABI CARDOSO

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• [GitHub](#) • [LinkedIn](#)

SUMMARY

Data Scientist and former Helicopter Pilot with a deep understanding of Machine Learning principles. Passionate about utilizing the latest software technology to solve problems. My ten-year career as a Pilot has made me a lifelong learner. I am open to working on impactful projects that add value to human life.

PROJECTS

[Housing Sale Price Prediction](#) – Linear Regression model

Developed a Linear regression model to predict the sale price of houses in Ames, Iowa. I applied Exploratory Data Analysis and Feature Engineering to prepare the data for modeling. By utilizing the Ridge regularization technique, I was able to develop a model that well outperformed the baseline.

[Subreddit Classifier](#) – Natural Language Processing

Using the Pushshift API, I gathered 1000 posts from Star Wars and Star Trek subreddits each. I designed a logistic regression model to classify which subreddit a new post belonged to.

[Afrobeats Music Recommendation System](#) – Clustering, Classification, PCA

Music recommendation system that recommends an Afrobeats playlist that closely matches any given playlist. Using the Spotify API, I fetched 1500 Afrobeats songs, based on their musical features I used K-means clustering and cosine similarity to group songs with similar features. I built a [Streamlit app](#) for more practical use of the recommender.

SKILLS

Languages: Python, SQL, JavaScript, HTML, CSS

Libraries/Tools: Pandas, NumPy, Scikit Learn, Matplotlib, Seaborn, Plotly, Tableau, Keras, TensorFlow, Jupyter Notebook, Git/Github

WORK EXPERIENCE

General Assembly - Data Science Immersive Fellow

01/2022 – 04/2022

- 12 weeks Data Science Immersive Bootcamp
- Hands-on experience with large datasets, performed data cleaning and EDA to prepare the dataset for modeling
- Worked with various machine learning models such as linear regression, logistic regression, KNN, Decision tree, PCA, and deep learning
- Experience using Google's Cloud Compute Engine in creating Machine Learning models

Bristow Helicopter - Helicopter Pilot, Lagos, Nigeria

10/2018 – 01/2022

- Performed helicopter preflight inspections, calculated its weight and balance, and completed accurate flight plans
- Operated the helicopter safely and efficiently in accordance with the company's operations manual

EDUCATION

General Assembly - Data Science Immersive Bootcamp

01/2022 – 04/2022

Arizona State University - Master of Computer Science (Big Data Systems)

08/2020 – 03/2023

University of Lagos - Bachelor of Science in Electrical and Electronics Engineering

06/2005 – 06/2011

CERTIFICATION

Python 3 Programming Specialization, Coursera

Intro to Self-Driving Cars, Udacity Nanodegree Program

Commercial Certificate with Instrument Rating (FAA): Helicopter, Airplane Single Engine Land

SCHOLARSHIPS/ AWARDS

Received from Bristow Nigeria a fully paid scholarship to train to become a helicopter pilot in Bristow Academy, Titusville, US