

# AFOLABI CARDOSO

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## 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 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

Music recommendation system that recommends an Afrobeats playlist that closely matches any given playlist. Using the Spotify API, I fetched 5000 Afrobeats songs, based on their musical features I developed a K-means clustering algorithm that grouped similar songs together.

## SKILLS

**Languages:** Python, SQL, JavaScript, HTML, CSS

**Libraries/Tools:** Pandas, NumPy, Scikit Learn, Matplotlib, Seaborn, 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 dataset, 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

### 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 in a safe and efficient manner in accordance with the company's operations manual
- Reviewed the company's operation documents and ensured they were up to date with the Nigeria Aviation Regulations

## 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