**AFOLABI CARDOSO**

Bowie, MD 20720 • (786) 510 8426 • [cardosoafolabi@yahoo.com](mailto:cardosoafolabi@yahoo.com)

• [GitHub](https://github.com/CaptCardoso)  [• LinkedIn](https://www.linkedin.com/in/afolabi-cardoso/)

**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**](https://github.com/CaptCardoso/Ames-Housing-Project) **–** 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**](https://github.com/CaptCardoso/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**](https://github.com/CaptCardoso/Afrobeats-Recommender-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](https://share.streamlit.io/captcardoso/afrobeats-recommender-system/streamlit/app.py) 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, Nigeria10/2018 – 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