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Daniel Enemona Adama

Machine Learning Engineer

GitHub: danielAdama
Portfolio: danieladama
LinkedIn: danieladama

A Machine Learning Engineer with **2.3+ years** of experience who specializes in Data Analytics and Computer Vision and is proficient in Python and SQL.

Skills

Tools and Languages Python, SQLite, MySQL, Docker, Git, Linux, Jupyter Notebook, Heroku, Tensorflow, Deep Learning, Neural Networks (CNN), Natural Language Processing (Sentiment Analysis), and Recommender Systems (Content-based), Image Processing, Data Mining, Computer Vision, Speech Recognition, Classification (Binary and Multi-label), Model Deployment, Modelling and Evaluation Techniques, Web Scraping Data Analytics, HTML/CSS, API Testing Tool (Postman)

Technical Skills Regression(Linear/Logistic, Lasso and Ridge), Gradient Boosting, KNN, Data Manipulation, and Analysis, Python (Scikit-learn, Numpy, OpenCV, Mediapipe, Pytesseract, Matplotlib, Pyaudio, Seaborn, Deep Speech, Face recognition, Dlib, Imutils, Pandas, Imutils, Tensorflow 2, Keras, Caffe, Nltk, Statsmodels, Glob, BeautifulSoup)

Communication English (native), French(basic)

Project Summary

NYC Taxi Trip Duration — Sklearn, Numpy, Pandas, Numpy, Seaborn, Matplotlib.
Completed the New York City Taxi trip duration and achieved an **R squared of 0.9993** and a **Root mean squared error of 0.214** to predict the trip duration for your taxi driver to your location which can be Uber, Bolt etc.
https://github.com/danielAdama/NYC_taxi_trip_duration

Bank Churn Prediction — Pandas, Sklearn, Numpy, Seaborn, Matplotlib.
Successfully built 3 Models to predict whether customers of a bank will churn or not.
https://github.com/danielAdama/bank_churn_prediction

AI Sentiment Analyser — Sklearn, Pandas, Flask, Nltk.
Completed and deployed an AI-based Sentiment Analyser on Heroku. The application takes a user's review as input and then measures the attitude/sentiment of that user towards the aspect of a movie which can either be Positive or Negative
https://sentimentpredictions.herokuapp.com/
https://github.com/danielAdama/sentiment_app

Hand Sign Recognition — Sklearn, OpenCV.
Successfully completed a Hand Sign Recognition System using Sklearn, OpenCV, etc. to identify gestures like Cool, Peace, Hi, and One.
https://github.com/danielAdama/Hand_Sign_recognition

Recent Work Experience

Software Engineer — **Oct 2021 — Present**
Secured Records Management Solutions LTD — *Abuja, Nigeria*

- Lead a team of **4** in the successful completion of a project

Machine Learning Developer — **Feb 2021 — Oct 2021**
TalenQ Pvt Ltd — *Bangalore Urban, Karnataka, India*

- Completed a real-time **Face Recognition system** that recognizes and tags known faces accordingly with **Dlib**, **OpenCV**, **Imutils**, etc.

- Researched and Implemented a **Speech Recognition pipeline** with **Deepspeech**, **Webrtcvad**, **Pyaudio**, etc. for a **real-time video** conferencing platform.
- Developed a **Face** and **Eye-tracking** algorithm including **Face mask detection** for real-time purposes with OpenCV, Tensorflow, etc.
- Utilized Deep Learning Frameworks like Tensorflow, Keras, OpenCV, Dlib, and Face recognition for Computer Vision use cases.
- Reports feedback to the team on the progress of the project
- Worked with 3 different pre-trained models which are **ResNet50**, **EfficientNetB1**, and **MobileNet V2**.
- Created various charts in **Jupyter Notebook** using Matplotlib to perform a preliminary analysis on the collected data.

IoT Computer Vision Intern **Mar 2021 — Apr 2021**
The Sparks Foundation *Singapore, Singapore*

- Downloaded Image data from Google and Kaggle for training purposes.
- Trained **2710 images** on my local machine and got a **98 percent** accuracy.
- Built a real-time Covid-19 Face Mask Detection system for the detection of a person with a mask or not.

Machine Learning Intern **Dec 2020 — Feb 2021**
CodeTrophs *New Delhi, Delhi, India*

- **Deployed** Machine Learning algorithms like Naive Bayes, SVM, Random Forests, Logistic Regression, etc. on Heroku
- Scrapped data from diverse websites with Python Scrapy.
- Transformed raw data to conform to assumptions of machine learning algorithm.
- Investigated available resources to develop more useful project plans.
- Created a web application to make critical predictions.
- Carried out day-to-day duties accurately and efficiently.

Telecommunication Engineering Intern **Feb 2019 — Oct 2019**
Centre for Satellite Technology Development *Abuja, Nigeria*

- Cooperated with a team of **6** to develop a drone for the fertilization of farm crops through the use of Satellites.
- Volunteered with a team of **8** to the building of a Radio Frequency (RF) antenna to communicate via abandoned Satellites.
- Participated in an ongoing project that detects any airplane from a distance that crosses over NASDRA

Education

Bachelor of Engineering (B.E.))
Information and Communication Engineering **Aug 2015 — Jul 2021**
GPA: 3.67/5
Covenant University Ota, Ogun state, Nigeria

Certifications

Getting started with Docker (Simplilearn)	Jan 2022
Machine Learning Certification Course (Analytics Vidhya)	Jan 2022
Neural Networks and Deep Learning (Deeplearning.ai)	Aug 2020
Data Science Course 2020 (365 Data Science)	Dec 2020
OpenCV Basics - OpenCV101 (Pyimagesearch)	May 2021
Bounding Box Regression - Object Detection 202 (Pyimagesearch)	May 2021
Fundamentals of Deep Learning Object Detection - Object Detection 201 (Pyimagesearch)	May 2021