

Oduguwa Damilola

Machine Learning Engineering

Email: oduguwadamilola40@gmail.com

Portfolio: damilojohn.github.io

GitHub:

<https://github.com/damilojohn>

SKILLS

- Python, C++
- Pytorch
- Docker , Flask , REST APIs
- Pandas, Numpy, ScikitLearn
- SQL, Spark
- AWS, Terraform , Mlflow
- Git, Bash, CI/CD

EDUCATION

- **Bsc. Computer Engineering, University of Lagos**

EXPERIENCE

Nithub Unilag AI Research, Lagos - *Software Engineer (Machine Learning)*.

May 2022 - PRESENT

- Worked in teams consisting of data scientists, data engineers, and software engineers collaborating using AGILE/Scrum Methodologies.
- Curated a dataset of traffic-light data using distributed computing clusters and data engineering workflows
- Fine-tuned a YOLO model for object detection
- Built and deployed a model as a service architecture on AWS using serverless functions built from container images.
- Collaborated on a Research Paper on an AI Traffic Light Optimization system.
- Developed CI/CD workflows using Terraform and GitHub Actions for automatic deployment of Cloud infrastructure.
- Participated in the full software development life cycle (SDLC) from requirements gathering through system implementation.

Projects :

- **Playlist Generator :**

A machine learning application that uses semantic search to generate Afrobeats-based music playlists from text inputs, deployed on AWS Lambda.

- **Text Descrambler :**

A BERT2BERT encoder-decoder transformer model for grammar correction and sentence descrambling.

- **Doordash Delivery Prediction :**

An end-to-end machine learning pipeline that tackles the problem of predicting Doordash food delivery duration times using MLflow.

- **Neo-Expressionism art bot :**

A Twitter bot that uploads random neo-expressionist artworks from WikiArt.