ILORI, OLUWASEUN OLUJIDE

Machine Learning |Computer Vision Engineer
LinkedIn | **Portfolio** | **Medium**
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An experienced computer vision engineer with knowledge of both classical image processing and modern deep learning approaches to problems.

WORK EXPERIENCE

MathWorks MiniDrone Competition **[Jun 2022 - Oct 2022]**
Team Tabono
- Winners of virtual round, EMEA,2022.
- I and another team member were responsible for developing the image processing algorithm using MATLAB and Simulink for the drone flight control system.

Zummit Africa **[Nov 2021 - Feb 2022]**
Deep learning Intern
- Led a team of 3 on an emotion detection project from predictive modeling using transfer learning to deployment.
- Taught two team members how to use TensorFlow/Keras for deep learning.

Freelance Machine Learning Engineer **[Sep 2021 - Nov 2021]**
- Conducted asthma prediction research by comparing machine learning and deep learning algorithms such as KNN, MLP, Random forest and 1D-CNN using cross-validation.

HamoyeHQ **[Jul 2020 - Dec 2020]**
Data Science Intern
- Data cleaning and exploratory data analysis tasks.
- Predictive Modelling using linear regression, logistic regression, random forests, XGBoost and TensorFlow.
- Collaborated with fellow interns to work on open-source projects.

EDUCATION & CERTIFICATION

B.Eng, Electrical and Electronics Engineering (Second Class Upper) **[2015 –2021]**
Project - Smart surveillance system **- Link**
University of Uyo, Nigeria.

Machine learning with Python **[Jun 2020 - Jul 2020]**
Cognitiveclass.ai - **Certificate**

Computer Vision for Faces **[Mar 2018 – Oct 2018]**
Big Vision LLC(learnopencv.com) - **Certificate**

TECHNICAL SKILLS

Programming: Proficient in Python
Technology and Frameworks: TensorFlow/Keras, Pytorch, Scikit-learn Data analysis and visualization with Python, Opencv, Git, GitHub, Docker, FastAPI, LinuxOS.
Cloud: Google Cloud Platform(Vertex AI/Cloud run) and Azure machine learning studio.

FEATURED PROJECTS

Malaria parasite detector - Code
- Trained object detection model for malaria parasites and white blood cells using Yolov6.
- Developed a custom API for prediction using FastApi and docker and deployed it on cloud run and vertex ai.

Aerial semantic segmentation - Code
- Developed a custom augmentation pipeline to increase dataset size.
- Trained using pre-trained mobilenetv3-unet.

Automatic license plate reader - **Demo**
- Proper collection, cleaning and labeling of data from scratch.
- Training of a simple HOG+SVM object detector using Dlib.
- Developed Custom optical character reader.
- Developed a custom annotation tool for data extraction and processing.
- Train and used a regression model to adjust threshold values.