

SAMUEL OBINNA NWAFOR

Abuja, Nigeria

Portfolio: <https://sam-obinna.github.io/>

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SKILLS

- **Technical Skills:** Machine Learning, Deep Learning, Neural Networks, CNNs
- **Programming Languages:** Python, JavaScript
- **Deep Learning Frameworks:** PyTorch, TensorFlow, CNN
- **Programming Libraries:** CUDA, NumPy, Pandas, Scikit-Learn
- **Data Visualization Tools:** Matplotlib, Seaborn
- **Other Software Tools:** Jupyter Notebook, Git
- **Other Skills:** HTML, CSS, Figma, OOPS Concept

PROJECTS

All Projects are available in my Portfolio

IMAGE CLASSIFICATION APPLICATION

- The tools utilized for this project include Python and PyTorch, Jupyter Notebook and the chosen CNN architecture is VGG11.
- In the course of the project, we developed an image classifier capable of identifying various species of flowers. Following the completion of this task, we obtained an application with the flexibility to be trained on diverse sets of labeled images. The process involved training the image classifier, subsequently enabling it to recognize distinct flower species.

DOG BREEDS RECOGNIZATION IMAGE CLASSIFIER

- Used a Pre-trained Image Classifier to classify dog breeds.
- The Image Classifier is an application using a deep learning model called a convolutional neural network (often abbreviated as CNN).

MOVIE CORRELATION WITH PYTHON

- Utilized Jupyter Notebook on Python server, employing Python libraries such as NumPy, Seaborn, Pandas, and Matplotlib to analyze the variables that influence the total revenue generated by movies.

PYTHON PACKAGE FOR GAUSSIAN AND BINOMIAL DISTRIBUTION

- Developed a Python package that simplifies the computation of Gaussian and binomial distributions.
- Additional Python libraries such as NumPy and Matplotlib were employed to gain deeper insights from the data.

EDUCATION

Prince Abubakar Audu University, Nigeria

Bsc. Mathematics Science - 4.23

2021-2024

AltSchool Africa

Diploma - Cloud Engineering

CERTIFICATIONS

Udacity

Nanodegree - Artificial Intelligence with Python