

Eyimofe Pinnick

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📁 PROJECTS

Lagos Public Transportation Classification using AI [🔗](#)

The aim of this project is to build an application that can correctly classify four main types of public transportation in Lagos state, Nigeria.

- **Technologies used:** Utilized Python, Tensorflow, Keras and Streamlit
- **Machine Learning:** Used a **Convolutional Neural Network (CNN)** to develop the model with a **pretrained model (MobileNetV2)** achieving a **test accuracy** of **93.7%**, then deployed the app using **Streamlit**.

Lagos Rent and House Sale Estimator [🔗](#)

Built an application that allows users to estimate the price of rent (per year) or the selling price of a residential property in Lagos state, Nigeria.

- **Technologies used:** Utilized Python, Scikit-learn, frontend tools, and Django to create the application.
- **Machine Learning:** Designed a python-based web scraper for data collection and used various machine learning algorithms with tree-based models such as **Random Forest** and **Gradient Boosting** improving metrics by 20%.
- **Results:** Achieved excellent metrics with a MAE of ₦1.1 million and deployed the application on a live server using the Django backend framework for user accessibility.

Dementia Prediction System [🔗](#)

Designed an application that allows users to predict the risk of a patient having dementia based on their MRI Scan and other medical/health data using Ensemble methods.

- **Technologies used:** Took advantage of Python, Scikit-learn, HTML, CSS, and Django to create the application.
- **Machine Learning:** Applied **Bagging**, **Boosting**, and **Stacking** methods to model the data, achieving an accuracy and recall of over 85% and 84% respectively. Deployed the application on a live server built using Django for user accessibility.

📁 PROFESSIONAL EXPERIENCE

Intern Jan 2023 – present

NSIA Insurance [🔗](#)

- Intern in the Information Systems and Technology (IS&T) unit
- I identified and resolved bugs and issues in the NSIA Insurance Mobile App to improve the UI/UX and collaborated with the development team to align the app's functionalities with customer requirements.

Freelance Data Scientist Nov 2021 – present

- Successfully developed high-performing machine learning applications for clients, achieving accuracy and metrics of over 80%, propelling them into the top 10% of overall rank performance.
- Experience in full-stack machine learning development, deploying intelligent applications powered by machine learning using **Django** backend framework.
- Developed data pipelines for data collection, preprocessing, and cleaning using Python libraries such as pandas and numpy.
- Obtained certifications in **Data Analysis** [🔗](#) and **Machine Learning with Python** [🔗](#) from Jovian AI and the **Data Science Virtual Experience Programme** [🔗](#) from the British Airways.

Student Intern Jul 2021 – Dec 2021

BRedeemed ICT

- Implemented automation systems to achieve faster and more effective ICT-driven solutions enhancing user experience on data portals.
- Acquired skills in backend development and design, building freelance projects.
- Studied data analysis and machine learning, gaining a deep understanding of the workflow of a data science project.

🎓 EDUCATION

Bachelor of Computer Science

Redeemer's University [🔗](#)

Sep 2018 – Oct 2022

- Excelled in machine learning and data science coursework
- Graduated with a Second Class Upper Division - Top 10%.

🧠 SKILLS

Programming Languages

Python, HTML/CSS, SQL

Machine Learning

Deep Learning, Classification, Regression, Clustering, Feature Engineering, Recommendation Systems, Deployment

Frameworks

Django, Scikit-Learn, Streamlit, Tensorflow, Keras

Tools/Libraries

Pandas, NumPy, Seaborn, Plotly, Matplotlib, BeautifulSoup, Bootstrap, Version Control (Git)

