

Eyimofe Pinnick

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PROFESSIONAL EXPERIENCE

Database Administrator 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.
- Developed streamlined process flowcharts to simplify claims workflow and recommended process improvements resulting in increased efficiency and reduced turn around time for life and general business insurance.

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 the **IBM Data Science Professional Certificate** from Coursera and other certifications such as the **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.

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 a predictive 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:** Analyzed complex data sets and 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.

SKILLS

Frameworks

Django, Scikit-Learn, Streamlit, Tensorflow, Keras

Machine Learning

Deep Learning, Classification, Regression, Clustering, Feature Engineering, Recommendation Systems, Deployment, Computer Vision Data analysis, Statistical modeling, and Machine Learning.

Programming Languages


Python, HTML/CSS, SQL

Tools/Libraries

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

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%.

CERTIFICATES

IBM Data Science Professional Certificate

- *Certified on Coursera*
- *Data Visualization*
- *SQL*
- *Data Analysis*
- *Machine Learning*