Eyimofe Pinnick

Data Scientist

eyimofepinnick@gmail.com | Lagos, Nigeria | Eyimofe Pinnick | EyimofeP | eyimofep.github.io

PROFESSIONAL EXPERIENCE

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 machine learning applications 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

Machine Learning

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

Frameworks

Django, Scikit-Learn, Fast API, Streamlit

Tools/Libraries

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

PROJECTS

Lagos Rent and House Sale Estimator

Developed 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**: Utilized Python, Scikit-learn, HTML, CSS, and Django to create the application.
- **Machine Learning**: Utilized **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.

Parkinson's Disease Detection System

Implemented an application that allows users to predict the risk of a patient having Parkinson's based on data from microphone/voice recordings.

- **Technologies used**: Utilized Python, Scikit-learn, and Django to create the application.
- **Data Preprocessing**: Conducted data techniques such as feature scaling and class balancing to prepare the data for model building.
- **Machine Learning**: Utilized Random Forest, XGBoost and Support Vector Machines (SVM) to model the data, with Random Forest achieving an accuracy of 97.44%, f1-score of 98.41% and recall of 100%.