

# Eyimofe Pinnick

## Data Scientist

✉ eyimofepinnick@gmail.com 📍 Lagos, Nigeria in Eyimofe Pinnick 🔄 EyimofeP 🌐 My Personal Website

### PROJECTS

#### Lagos Rent and House Sale Estimator

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

- **Technologies used:** Python, Scikit-learn, Frontend tools, Django
- **Data Collection:** Built a customized python-based web scraper for extracting data from a real estate website.
- **Machine Learning:** Modelled the data with various Machine Learning algorithms such as **Random Forest** and **Gradient Boosting methods**.
- **Results:** Achieved great metrics when evaluated reducing the MAE to ₦1.1 million and deployed on a live server using the **Django backend framework** where users can input data for property price predictions.

#### Dementia Prediction System

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:** Python, Scikit-learn, HTML, CSS, Django
- **Machine Learning:** Modelled the data using **Bagging**, **Boosting**, and **Stacking methods**.
- **Results:** Achieved an accuracy and recall of over 85% and 84% respectively then deployed on a live server built using **Django** for accessibility to users.

#### Parkinson's Disease Detection System

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

- **Technologies used:** Python, Scikit-learn, Django
- **Data Preprocessing:** Performed various Data Preprocessing techniques such as feature scaling and class balancing to clean and make the data ready for model building
- **Machine Learning:** Random Forest, XGBoost and Support Vector Machines (SVM) were used to model the data
- **Results:** Random Forest was the best with an accuracy of 97.44%, f1-score of 98.41% and recall of 100%

### SKILLS

#### 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, Git

### PROFESSIONAL EXPERIENCE

#### Freelance Data Scientist

Nov 2021 – present

- Developed high-end machine learning applications for final-year students in their senior projects that achieved accuracies and metrics of over 80%, propelling the students into the top 10% of overall student performance.
- Developed full-stack machine learning applications that were deployed using the **Django** backend framework.
- Completed certification in **Data Analysis ** and **Machine Learning with Python ** from Jovian AI.

#### Student Intern


BRedeemed ICT

Jul 2021 – Dec 2021 | Redemption Camp, Nigeria

- Developed Automation Systems to achieve faster and more effective ICT driven solutions
- Studied backend development and design and built freelance projects
- Studied data analysis and machine learning, understanding 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 (4.07/5.00) - Top 10%.