Eyimofe Pinnick
Data Scientist

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📁 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, HTML, CSS, Django
- **Data Collection:** Used Beautiful Soup to scrap the data from a real estate company's 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**

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, HTML, CSS, 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

Hard Skills
Data Analysis, Programming, Machine Learning, AI, Backend Development, Web Scraping, Mathematics, Statistics

Technical Skills
Python, Pandas, Scikit-Learn, Django, BeautifulSoup, FastAPI, Git, Seaborn, HTML, CSS

💼 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%.
- Completed a final year project to predict the price of residential properties in the state of Lagos, Nigeria that ranked in the top 1% of projects in the school year. Used **Random Forest**, **regression models** and **gradient boosting machines**. ⧉