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Professional Experience

2023/11 – present
Victoria Island

System and Database Administrator
NSIA Insurance ⌐

- Identified performance bottlenecks, database and software issues impacting claims processing and payout efficiency.
- Resolved issues to streamline the claims process and increase payout accuracy.
- Investigated and addressed specific software issues, collaborating with relevant teams and stakeholders.
- Successfully resolved software issues, leading to an increase in claims payout accuracy and ensuring a seamless claims process for clients.
- Reduced query response times by 20%, leading to improved system performance.

2023/01 – 2023/11
Victoria Island

Junior Database Administrator
NSIA Insurance ⌐

- Orchestrated the successful development and implementation of the Claims Payment Module, significantly enhancing claims payment efficiency and customer experience.
- Collaborated with end-users to troubleshoot and resolve database-related inquiries.
- Identified and resolved bugs and issues in the NSIA Insurance Mobile App to improve the UI/UX.

2021/07 – 2021/12

Student Intern
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.
- Understood the workflow of IT Engineering support.

Skills

Frameworks
Django, Scikit-Learn, Streamlit, Tensorflow, Keras, Microsoft SQL Server, MySQL

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), Microsoft Office Suite

Education

2018/09 – 2022/10

Bachelor of Computer Science
Redeemer's University ⌐

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

Projects

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.

- **Data Analysis:** Discovered patterns of prices in different areas of Lagos and also most common types of homes in the real estate market.
- **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.

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**.

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.

Certificates

IBM Data Science Professional Certificate ⌐
- Certified on Coursera
- Data Visualization
- SQL
- Data Analysis
- Machine Learning

Interests

- Learning Yoruba
- Reading Personal Development Books
- Learning French
- Watching Documentaries
- Learning Chess