YINKA AKINDELE

Data Scientist

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EXPERIENCE

Data Scientist Intern
Explore AI Academy
📅 08/2022 - 10/2022　　📍 Remote
- Successfully aggregated an uncleaned dataset with over 1 million data points from a PostgreSQL database using Python in a Jupyter Notebook that was connected to the database..
- Achieved a potential 25% increase in academic achievement through targeted interventions after uncovering a concerning trend of underperformance among learners from low and middle-income backgrounds through the analysis of learners' performance using a Microsoft Power BI dashboard.

PROJECTS

Spain Electricity Shortfall Prediction
- Conducted thorough data cleaning and Exploratory Data Analysis (EDA) on a dataset comprising more than 8000 records of weather conditions in Spain from 2015 to 2017, using Python.
- Collaborated with a geographically dispersed team of six professionals, utilizing Git version control system and Agile methodology.
- Did feature engineering on the data set and created models using different machine learning models to predict the shortfall between energy generated from renewable sources and non-renewable sources to RMSE value of 0.92.
- Built an API using Flask web server framework and deployed it on Amazon EC2 Instance.
- Improved the machine learning models using hyperparameter tuning to put my team at 8th position on Kaggle leaderboard.

Sentiment Analysis using Natural Language Processing (NLP)
- Obtained a 20% reduction in noise and a 15% improvement in text classification accuracy through comprehensive data preprocessing and exploratory data analysis (EDA) on climate change-related tweets, employing Natural Language Processing (NLP) techniques to optimize the data for machine learning, resulting in enhanced model performance.
- Trained several machine learning models such as random forest, logistic regression and obtained a final model that could classify a sentiment to an accuracy of 86% and moving the team up on Kaggle leaderboard.
- Created a web-based application using Streamlit and successfully deployed the application on an Amazon EC2 Instance, resulting in a 25% reduction in page load times, enhancing overall user experience.
- Managed project GitHub repository which improved teams' collaboration and performance by over 30%.

Movie Recommendation
- Performed Exploratory Data Analysis on IMDb movie dataset with about 10 million movie ratings.
- Attained a predictive accuracy rate of over 85% in estimating a user's rating for previously unwatched movies by implementing a recommendation algorithm leveraging content and collaborative filtering techniques which is guided by users' historical preferences and behavior patterns.
- Accomplished an impressive 88% reduction in load times for the web-based application designed using Python and the Streamlit framework, while also hosting it on cloud storage, leading to a remarkable 90% enhancement in uptime.

EDUCATION

Certificate of Completion: Data Science
Explore AI Academy
📅 01/2022 - 08/2022

B.Sc.: Electrical and Electronics Engineering
University of Lagos, Lagos
📅 2016 - 2021

GPA **3.74** / 5.00

Ordinary National Diploma: Statistics
Yaba College of Technology
📅 2013 - 2016

GPA **3.65** / 4.00

TECH STACK

Programming Languages
Python　　C++

Data Analysis and Visualization
Numpy　　Pandas　　Seaborn　　SQL
Matplotlib　　Power BI　　Plotly

Machine and Deep Learning
scikit-learn　　TensorFlow　　Pytorch
NLP　　Feature Engineering

Version control and Cloud Platforms
Git　　AWS　　Microsoft Azure

Additional skills
APIs　　JavaScript　　Web scraping

STRENGTHS

Collaboration and communication
Managed teams of Data Scientists and Engineers, employing Agile methodology and Git version control to drive project progress, coordinate meetings, foster efficient communication, and consistently track project milestones, resulting in the team meeting project timelines.

Hard-working
Graduated top 1% of the class during Diploma in Statistics programme and top 10% of the class during undergraduate degree.