Qudirah Alimi

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Abuja, Nigeria

Links

Medium, GitHub, Open Source: NetworkX 3.1, NetworkX 3.0, NetworkX 2.8.8

Experience

Malhub (Contract)

Data Science Instructor, Ilorin, Kwara
01/2023 - 04/2023

- Taught Python programming to students, covering topics such as Pandas, NumPy, and Matplotlib. This resulted in an 80% increase in students' proficiency in Python programming skills based on pre and post-assessment scores.
- Facilitated learning on data analysis using Excel, including functions, data manipulation, and dashboarding, resulting in increased proficiency and ability to analyze data effectively.
- Instructed students on SQL and specifically PostgreSQL, resulting in 90% of students achieving proficiency in data querying languages, CTEs, joins, and set theories as demonstrated in practical assessments.
- Mentored students in selecting and analyzing datasets from Kaggle, resulting in 75% of students successfully completing their projects and presenting their findings in a professional manner.
- Utilized HackerRank platform for hands-on practice, reinforcing learning and improving students' problem-solving and coding skills in data analysis and machine learning.

Fezzant

Data Analyst Intern, Manchester, London
04/2022 - 01/2023

- Analyzed customer data from forms and social media to derive insights that boosted engagements by 50%
- Presented reports designed with Power BI to communicate technical findings to upper management, resulting in a 20% increase in efficiency.
- Developed and implemented automated data scraping, cleaning, and transforming processes using Python and Scrapy, resulting in a 70% increase in data collection efficiency.
- Queried and retrieved data from the database by writing over 50 simple SQL queries using CTEs, Joins, Window functions and etc. resulting in an improved data analysis process.

Cyberodane (Contract)

Junior Machine Learning Engineer, Glasgow, Scotland
09/2022 - 12/2022

- Sourced and cleaned large datasets for a machine-learning project, resulting in a 95% reduction in errors and a 50% improvement in model accuracy.
- Extracted about 126 features (from mail structure and stylometric features) which help in classifying the dataset.
- Built a machine learning model using a classification algorithm to classify emails as phishing or non-phishing, achieving an accuracy of 87% and recall of 88% using a gradient-boosting classifier
- Applied cross-validation method for increased accuracy, resulting in a 5% improvement in model performance
- The model will successfully reduce the number of phishing emails that reached users by 85%, increasing overall user satisfaction

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Education

BSc Computer Science

University of Ilorin, Ilorin, Kwara
10/2021

Relevant Courses: Artificial Intelligence, Database Management Systems, Data Mining, Introduction to Programming Languages, Data Structures and Algorithms, Object-Oriented Language

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Skills

Python, Git, SQL, PostgreSQL, GitHub, A/B Testing, Inferential Statistics, Probability , Regression Analysis, Time series analysis, Excel, VBA, VLOOKUP, Pivot Tables, Microsoft Office, Canva, MySQL, Power BI, Open Source, Unit Testing, Tableau, NLP, Natural Language Processing, Machine Learning, Sentiment Analytics, Evaluations, Text mining, Hyperparameter Tuning, Writing Skills, Communication, Problem Resolution, Pliability, Teamwork, Leadership Experience, Reporting, Report Writing, Presentation Skills, Presentation Design, Problem-Solving

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Certifications

DataCamp certified Professional Data Analyst

Coursera: Introduction to Data Science using Python

Coursera: Machine Learning

Udacity: AWS Machine Learning Foundation

HackerRank: Introduction to Programming using Python

Personal Projects

NETFLIX MOVIE RECOMMENDER

- Built a movie recommendation system using cosine similarity on a dataset of 10,000 movies to suggest similar movies to users.
- Tools: Python, NLP, Sklearn.
- Results: Recommends up to 10 movies and saves 90% of the time used in searching for movies.

SENTIMENT ANALYSIS ON BLACK PANTHER 2

- Assessed over 70,000 Twitter posts related to the new Black Panther movie to determine the overall sentiment of the conversation, resulting in a deeper understanding of audience engagement.
- Tools: Python, NLP, Pandas, Web Scraping, Sentiment Analysis, Power BI.
- Results: 36.99% of social media posts were positive, 44.28% were neutral, and 18.73% were negative. The dashboard was able to help identify key trends and patterns in the conversation, which could be used for example by the movie's production company for marketing strategies or by any company to understand what their customers and audience is saying about them.