

KEVIN MUGO

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SUMMARY

Dedicated and detail-oriented Computer Science graduate seeking for a Data Scientist position. Armed with a solid academic foundation in SQL ,data analysis, machine learning, big data and statistics, I am eager to apply my skills in a dynamic and challenging professional environment.

EDUCATION

EGERTON UNIVERSITY. Sep 2018 – Oct 2023
Bachelor of Science in Computer Science

Relevant Coursework : Data Mining, Artificial Intelligence , Database Management, Statistics and Probability , Calculus, Linear Algebra , Data Structures and Algorithms , Cloud Computing , Computer Security , Software Engineering, Operating Systems, Ethics in Computing.

WORK EXPERIENCE

MINISTRY OF AGRICULTURE AND LIVESTOCK DEVELOPMENT. Kilimo House, Nairobi
ICT Student Intern May 2023 – July 2023

- Participated in data collection, entry and analysis procedures, ensuring the accuracy and completeness of information, which significantly enhanced the efficiency of technical support processes by 98%.
- Provided first-line technical support, addressing support queries through phone, email, and in-person interactions. Achieved a 20% improvement in query resolution efficiency by developing a comprehensive knowledge base.
- Increased user proficiency by 25% by providing user support for computer equipment, MS Dynamics, and MS Office applications.
- Reduced system downtime by 30% through proactive software and hardware maintenance, servicing, and troubleshooting of ICT equipment.
- Enhanced system and network stability, achieving a 25% reduction in downtime through strategic troubleshooting methods, resulting in increased operational efficiency.

PROJECTS

SQL DATA CLEANING | [link](#) Feb 2024

- The dataset, initially in CSV format, I imported into an SQL database for processing. To ensure data integrity, I created a staging area for manipulation.
- Utilizing SQL window function , CTEs and ROWNUMBER() function, duplicate entries were identified and dropped.
- Missing values in the "industry" column were addressed by assigning corresponding industries based on company names.
- Data standardization involved removing whitespace and consolidating industry categories. Additionally, formatting inconsistencies, such as variations of "United States," were rectified. The "date" column was transformed into the appropriate format for time series analysis.
- Performed validation checks to ensure the quality and accuracy of the cleaned dataset.
- This ensured 100% success in the EDA process that followed up.

CREDIT RISK ASSESSMENT MODEL | [link](#) Jan 2024

- Implemented statistical analysis and machine learning techniques.
- Classified loans as good or bad based on diverse features such as credit history, credit enquiries and credit lines.
- Achieved an 82% model accuracy rate, enhancing risk assessment capabilities.

PYTHON DATA CLEANING | [link](#) Feb 2024

- Conducted a comprehensive data cleaning project on the FIFA21 dataset using Python, Pandas, NumPy, and Jupyter Notebooks.
- Executed Exploratory Data Analysis (EDA) to gain insights, identify patterns, and address anomalies.
- Applied keen approaches to handle missing values, specifically in the ‘Hits’ and ‘Loan Date End’ columns, and resolved inconsistent formatting in the ‘Heights’ and ‘Weights’ columns using transformations and normalization techniques. This aimed 99% accuracy on insights generated there after.

ACTIVITIES

EGERTON UNIVERSITY COMPUTER SCIENCE STUDENTS ASSOCIATION (EUCOSSA) Sep 2018 – April 2023
Member

- Participated in weekly meet ups aimed to enhance understanding of the current and emerging technologies in computing.
- Advertised 10+ quarterly networking events with 100+ participants within the university.

ADDITIONAL

Technical Skills: Advanced in SQL, Python , Excel , Matplotlib , Seaborn , Power BI , Statistical Analysis , Machine Learning ,Data visualization and analysis , Git.

Certifications & Training: SQL and Relational Databases(IBM), Data Science Methodology (IBM), Machine Learning (Kaggle), Data Analysis with Python(FreeCodeCamp) , Big Data(IBM) , Python Programming (Kaggle) , Data Visualization(Kaggle).