MUSYOKI MUNYOKI

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SUMMARY

Results-driven Data Analyst with expertise in leading data analysis projects, extracting actionable insights and optimizing business strategies through advanced statistical techniques. Proficient in Python, SQL, Excel, and Tableau, with experience in transforming complex datasets into clear, data-driven solutions. Passionate about using analytical skills to drive decision-making and enhance operational efficiency in dynamic environments.

SKILLS

Data Science, Excel, Exploratory Data Analysis, Google Sheets, MS Excel, Powerbi, Python, SQL

WORK EXPERIENCE

ALX Africa | Data Analysis Study Lead, November 2023-August 2024.
- Led a team of data analysis students, guiding them through project execution and analysis techniques.
- Coordinated multiple data analysis projects, ensuring timely completion and quality results.
- Facilitated workshops and learning sessions, improving the team's skills in Python, SQL, and data visualization.

PAN AFRICA COMMUNICATION SOLUTIONS.
- Analyzing CCTV and motion sensor data to identify high-risk periods, such as a 30% increase in incidents during late evenings, using Python and SQL.
- Developing a predictive model to reduce false alarms by 25% and improve response efficiency by 20%.
- Creating and visualizing security insights on a Tableau dashboard for real-time monitoring and optimization.

PROJECTS

ALX Africa,
- Analyzed a Netflix dataset of 5,000+ titles from 2000 to 2024, identifying that action movies averaged 120 minutes and comedies 90 minutes.
- Cleaned the dataset using Python, handling missing values and data inconsistencies.
- Discovered a 30% increase in documentaries post-2020, reflecting a shift in audience preferences.

Customer Churn Prediction and Analysis for a Telecom Company,
- I analyzed 10,000+ telecom customer records to predict churn, finding that month-to-month contract users were 40% more likely to churn.
- Using Python and Scikit-Learn, I built a random forest model with 92% accuracy and 89% precision.
- SHAP analysis revealed key churn factors, and I created a Tableau dashboard that identified strategies to reduce churn by 15%.

EDUCATION

Zetech University, Nairobi, Kenya September 2020–November 2023
Bachelor of Science in Information Technology
African Leadership Group (ALX), Nairobi, Kenya June 2023–August 2024
Data Science