JESSE MUCHEKE

DATA ANALYST

REACH ME AT:

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PROFESSIONAL SUMMARY

I am a detail-oriented and analytical data enthusiast with a background in Information Technology, data science, and software development. Experienced in data collection, preprocessing, ETL, statistical modeling, and machine learning. Proficient in Python, SQL, Excel, Tableau, and Power BI for data analysis and visualization. Strong understanding of database systems, data structures, and web development. Adept at problem-solving, teamwork, and effective communication, seeking to leverage technical and analytical skills to provide actionable insights in a data analyst role.

SKILLS

Technical Skills: Python, SQL, Power BI, Tableau, Excel Plotly, JavaScript, NodeJS, HTML, CSS, Angular, Git, GitHub, Trello

Concepts: Data Cleaning, EDA, Visualization, Reporting, Statistical Analysis, Machine Learning

Soft Skills: Team work & Collaboration, Effective Communication, Leadership, Problem-Solving, Adaptability

CERTIFICATIONS

- SKIES Rapid Tech Skills Program - Data Science and AI Specialization
- Data Analytics Essentials
- Generative AI fundamentals
- Data Analyst Associate - Datacamp
- Data Analyst - Datacamp
- Full-Stack Development - The JITU Company

PROFESSIONAL HISTORY

Data Science Intern

DeKUT(Skies Rapid Tech) | April 2024 - July 2024

- Conducted data preprocessing, exploratory analysis, and applied machine learning models on real datasets.
- Visualized trends and KPIs using Python and Power BI for business insights.
- Collaborated on real-world analytics projects under structured mentorship.

Network Technician

Agape Enterprise Solutions | May 2023 - Jan 2024

- Maintained and optimized communication networks, ensuring consistent system performance.
- Delivered technical support and client communication to resolve network issues.
- Produced regular reports to monitor network efficiency.

Full Stack Software Developer Trainee

The JITU | Jan 2023 - March 2023

- Completed a 3-month full-stack software development training program, focusing on JavaScript, NodeJS, and web technologies.
- Collaborated with a team of software engineers to design, implement, and test software solutions using agile methodologies.
- Enhanced problem-solving abilities, communication skills and teamwork skills through collaborative project work and debugging exercises.

ACADEMIC BACKGROUND

Dedan Kimathi University of Technology

Degree | May 2019 - April 2023

Bachelor of Science in Information Technology
- Machine Learning & Data Mining, Data Structures & Algorithms, Database Systems, Computer Networking, Software Engineering

Projects

HR Attrition and Workforce Analytics Dashboard | Power BI
- Built a multi-page dashboard for HR teams to track employee attrition by role, department, and satisfaction scores. Replaced static reports with dynamic insights, enabling early intervention.

Job Market & Skill Demand Analytics | Power BI
- Processed 9,500+ job postings to reveal skill trends (SQL, Python, Power BI) by role and experience. Guided upskilling strategy through real-time labor demand analysis.

Manufacturing SPC with SQL | SQL (PostgreSQL)
- Used SQL window functions to apply Statistical Process Control (SPC) to product quality metrics. Detected deviations using UCL/LCL and flagged anomalies for process correction.

Fitness Activity Data Analyzer | Python
- Processed hourly step-count data to compute daily stats, categorize users, and visualize activity via line, bar, pie, and bubble charts.