



NELSON KEMBOI

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Summary

I am a passionate data scientist with expertise in MySQL, PostgreSQL, Tableau and python, and dedicated to utilizing data-driven insights to tackle complex business challenges. Proficiency in database language enables me to extract, manipulate, and analyze large datasets to uncover valuable patterns and trends that drive informed decision-making. Through Tableau, I create visually compelling dashboards and interactive visualizations, effectively communicating complex information to technical and non-technical stakeholders alike. Also, with skills in HTML and CSS deploying models I am able to design user interface that is clear, simple for navigation.

Skills

- | | |
|---------------------------|-----------------------|
| ● Data trend analysis | ● Pandas |
| ● CSS & HTML & Javascript | ● Numpy |
| ● MySQL | ● Matplotlib, Seaborn |
| ● PostgreSQL | ● Sklearn |
| ● R | ● Data mining |
| ● POWER BI | ● Tableau |
| ● Python | ● TensorFlow |

Education

Google Data Analytics I Online
Google 2024

Moringa School I Nairobi,
kenya certificate in Data
Science 2023

Certified Public Accountant I Section 1&2
KASNEB 2018

Masinde Muliro University of Science & Technology I Kakamega,
Kenya Certificate of Higher Education in Bachelor of Education (Arts)
2019

Projects

- [Predicted customer churn](#)
- [Created a travel recommender system](#)
- [Analyzed my yearly Mpesa statements](#)
- [Analyzed Microsoft movie dataset](#)
- [Analyzed and predicted Houston Housing prices](#)
- [Predicted real estate prices using time series](#)

Publications

- [Data privacy and integrity](#)
- [Mpesa statement analysis](#)
- [MySQL database query](#)

Data Analyst Freelancing Experience (Upwork)

Key Responsibilities	Tools & Techniques	Achievements
Gathered data from databases including Excel, SQL, CSV files, and Web sources	Power BI, R, Python, MySQL	Increased data accessibility and insights
Applied ETL (Extract, Transform, Load) techniques	Power BI, Python libraries	Streamlined data analysis and visualization
Conducted data cleaning and modeling	Power BI, MySQL, R, Python (Pandas, NumPy, Matplotlib)	Improved data integrity and usability
Developed dashboards for sales, logistics KPI, and other visualizations	Power BI, Python (Matplotlib, Seaborn)	Reduced report generation time by 50%
Created and designed databases	MySQL, SQL	Enhanced database organization and accessibility
Conducted data modeling, analysis, and created queries	MySQL, R	Increased efficiency by 10%
Evaluated and recommended DBMS and data management tools	DBMS software, data warehouse, replication tools	Improved system reliability and efficiency
Designed, implemented, and maintained database systems	SQL, MySQL, Power BI	Increased departmental productivity by 15%
Researched and improved functionality of existing databases	Python (scipy, statsmodels), Power BI	Enhanced data management processes
Analyzed and presented data using statistical software	R, Power BI	Strengthened data-driven decision-making

Data Analyst Valley Hospital Nakuru (contract)

Key Responsibilities	Tools	Achievements
Analyzed recovery and stay data	Python, Tableau	Reduced recovery time by 10% with trend insights
Cleaned and processed patient data	Pandas, Data Visualization	Improved data accuracy for hospital reports
Created interactive dashboards	Tableau	Enhanced decision-making with actionable insights

Others_____

Conducted census as Content supervisor

General Elections as DPO

References_____

1. Vincent Laboso

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Nurse Assistant

2. Winny Chepkoech

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Data Scientist