MULIMBIKA MAKINA

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Juja, Kiambu County – 00200, Kenya

EXPERIENCE

• L&A Logistics Zambia[🌐] *Jan 2024 – June 2024*
Data Analyst Lusaka, Zambia
◦ Developed an interactive Power BI dashboard to monitor logistics KPIs, reducing reporting time by 35% across departments.
◦ Developed an interactive Power BI dashboard to monitor delivery delays, improving route optimization efficiency by 25%.
◦ Conducted analysis on over 50,000 shipment records, identifying patterns in fuel usage and vehicle maintenance frequency that informed strategic cost-cutting measures.

• Entrepreneurs Financial Center (EFC) [🌐] *Jan 2023 – Dec 2023*
Business Intelligence Specialist Lusaka, Zambia
◦ Engineered a centralized business intelligence reporting system using Metabase and SQL, improving executive decision-making speed by 40%.
◦ Developed automated loan portfolio monitoring dashboards, reducing non-performing loans by 10% using advanced SQL and CVM strategies.
◦ Implemented a data quality validation pipeline in Python, reducing reporting discrepancies by 25%.
◦ Conducted cohort and churn analysis to validate customer retention strategies and optimize credit product offerings.

• Mulungushi University [🌐] *Feb 2022 – Nov 2022*
Mathematics & Statistics Tutor Kabwe, Zambia
◦ Delivered tutorials in Business Mathematics, Statistics and Mathematical Methods.

• Copperbelt University [🌐] *May 2021 – Sep 2021*
Mathematics & Statistics Tutor Kitwe, Zambia
◦ Delivered tutorials in Business Mathematics, Statistics and Mathematical Methods.

EDUCATION

• Pan African University *July 2024 – July 2026*
MSc. Mathematics, Data Science Nairobi, Kenya

• The Copperbelt University *Aug 2017 – Aug 2021*
BSC Mathematics, Statistics Kitwe, Zambia

• Jasmine Boys High School *Jan 2013 – Nov 2015*
Secondary Education Kabwe, Zambia

SKILLS

- **Programming Languages:** Python, R, SQL
- **Web Technologies:** HTML, CSS, Flask, FastAPI
- **Database Systems:** PostgreSQL, MongoDB
- **Data Science & Machine Learning:** NumPy, Pandas, Polars, Scikit-learn, XGBoost, LightGBM, PyTorch
- **Cloud Technologies:** Google Cloud Platform (GCP)
- **DevOps & Version Control:** Git, GitHub, Docker, GitHub Actions, MLflow
- **Mathematical & Statistical Tools:** Statsmodels, SciPy, R, MATLAB, Excel, SPSS, STATA.
- **Other Tools & Technologies:** Power BI, Metabase Jupyter, VS Code, Apache Airflow, Hadoop.
- **Research Skills:** Literature Review, Experimental Design, Hypothesis Testing, Survey Design, Scientific Writing, Reproducible Research.

EXTRACURRICULAR ACTIVITIES

• **Class Representative**
Served as liaison between students and faculty, coordinated academic events

2024 – *Present*
Pan African University

• **Member, University Football Team**
Contributed to the team's success; strengthened leadership, teamwork, and resilience

2024 – *Present*
Pan African University

ADDITIONAL INFORMATION

Interests: Chess | Building Machine Learning side projects | Reading books | Following AI blogs & podcasts.

REFERENCES

1. **Mr. Aaron Simumba**
Business Intelligence Lead, Finance.
Entrepreneurs Financial Centre (EFC).
Email: simumbaaaron20@gmail.com
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Relationship: Supervisor

2. **Prof. Waweru Mwangi**
Associate Professor, Department of Computing.
Jomo Kenyatta University of Agriculture and Technology.
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Relationship: MSc. Research Project Supervisor

3. **Dr. Henry Mulenga**
Senior Lecturer, Department of Mathematics.
Copperbelt University.
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Relationship: BSc. Research Project Supervisor