

# MULIMBIKA MAKINA

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Juja, Kiambu County – 00200, Kenya

## EXPERIENCE

- **L&A Logistics Zambia** [🌐] Jan 2024 – June 2024  
Lusaka, Zambia  
*Data Analyst*
  - Collaborated with cross-functional operational teams to validate and reconcile datasets, ensuring data accuracy, governance compliance, and reliable reporting for decision-making.
  - Designed and automated interactive dashboards in Power BI to track near-expiry items, reducing returns and stock waste by 25%.
  - Managed daily sales routes and customer visit schedules, optimizing coverage efficiency and coordination between marketing and operations.
  - Conducted data-driven 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  
Lusaka, Zambia  
*Business Intelligence Specialist*
  - Effectively communicated technical data and complex findings to non-technical audiences, including executives, marketing teams, and operations staff.
  - Aligned data insights with broader business objectives and key performance indicators to improve risk assessment and ensure compliance.
  - Contributed to the development of a business intelligence reporting system using Metabase and ClickHouse, which improved executive decision-making speed by 80%.
  - Developed automated loan portfolio monitoring dashboards using advanced Excel and SQL methodologies, reducing non-performing loans by 20%.
- **Mulungushi University** [🌐] Feb 2022 – Nov 2022  
Kabwe, Zambia  
*Mathematics & Statistics Tutor*
  - Delivered tutorials in Business Mathematics, Statistics and Mathematical Methods.
- **Copperbelt University** [🌐] May 2021 – Sep 2021  
Kitwe, Zambia  
*Mathematics & Statistics Tutor*
  - Delivered tutorials in Business Mathematics, Statistics and Mathematical Methods.

## EDUCATION

- **Pan African University** June 2024 – June 2026  
Nairobi, Kenya  
*MSc. Mathematics, Data Science*
- **The Copperbelt University** Aug 2017 – Aug 2021  
Kitwe, Zambia  
*BSC Mathematics, Statistics*
- **Jasmine Boys High School** Jan 2013 – Nov 2015  
Kabwe, Zambia  
*Secondary Education*

## **RESEARCH AND SKILLS**

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- **MSc. Research:** Conducting research on hybrid models of Convolutional Neural Networks and Vision Transformers for Lung and Breast Cancer Classification, with two publications currently under review.
- **Soft Skills**
  - Attention to detail and data accuracy
  - Analytical and critical thinking
  - Data governance and compliance awareness
  - Clear stakeholder communication
  - Adaptability in high-compliance environments
  - Professional integrity and accountability
- **Personal Projects:** Developed an end-to-end Classical Machine Learning Project and currently working on RAG (Retrieval-Augmented Generation) pipelines for unstructured data and relational database systems.
- **Tools & Frameworks:** Python, R, SQL, Git, Docker, GitHub Actions, MLflow, PyTorch, LangChain, SPSS, STATA, SAP, Power BI, and Metabase.

## **EXTRACURRICULAR ACTIVITIES**

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- **Class Representative** 2024 – Present  
Pan African University  
*Served as liaison between students and faculty, coordinated academic events*
- **Member, University Football Team** 2024 – Present  
Pan African University  
*Contributed to the team's success; strengthened leadership, teamwork, and resilience*

## **REFERENCES**

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1. **Prof. Waweru Mwangi**  
Associate Professor, Department of Computing.  
Jomo Kenyatta University of Agriculture and Technology.  
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