

# Mwandikwa Silas Mbivya

## GIS Analyst and Data Scientist

Nairobi, Kenya

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## Professional Summary

Results-driven GIS Analyst and Data Scientist with over 2 years of experience in data analysis, geospatial technologies, and process improvement. Proficient in Python, SQL, ArcGIS, QGIS, and Power BI. Adept at collecting, processing, and analyzing large datasets to generate actionable insights and improve business outcomes. Committed to continuous learning and staying updated with industry trends and best practices.

## Core Competencies

- **Data Analysis & Interpretation:** Skilled in statistical techniques, pattern recognition, and anomaly detection.
- **Machine Learning:** Adept at unsupervised and supervised learning methods
- **Problem Solving:** Proven ability to apply critical thinking and develop data-driven solutions.
- **Process Improvement:** Experienced in evaluating and enhancing business processes for efficiency and effectiveness.
- **Technical Proficiency:** Proficient in Python, SQL, Excel, ArcGIS, QGIS, and data visualization tools such as Power BI.
- **Communication & Collaboration:** Excellent communication skills with the ability to present complex data in a clear and concise manner to non-technical audiences.

## Professional Experience

### GIS Analyst

Digireg Kenya, Nairobi, Kenya

Jan, 2024 - Present

- Applied critical thinking and problem-solving skills to address complex business challenges and develop data-driven solutions.
- Collected, processed, and analyzed large geospatial datasets using ArcGIS and Python.
- Worked in agile teams boosting company revenue by 20%
- Developed and implemented process enhancements to increase efficiency and effectiveness in data management.
- Ensured data integrity, accuracy, and consistency across various data sources through quality checks and validation processes.
- Created comprehensive reports and visualizations using Power BI to communicate findings to stakeholders.

- Collaborated with cross-functional teams to identify and resolve data-related issues and provide analytical support.

### **GIS Analyst**

KPLC, Nairobi, Kenya

September, 2024 – November, 2024

- Assisted in the preparation and cleaning of data using ArcGIS Field Maps for various analytical projects.
- Helped cut down on losses by 15%
- Supported the development of data visualizations and reports to communicate findings to clients and internal teams.

### **Education**

#### **Certificate in Data Science**

Data Science, ALX, 2024

#### **Bachelor of Science in Geospatial Engineering**

University of Nairobi, Nairobi, Kenya

September, 2018 – May, 2024

### **Technical Skills**

- **Programming Languages:** Python, SQL, JavaScript
- **GIS Tools:** ArcGIS, QGIS, Google Earth Engine
- **Data Visualization:** Power BI, Python
- **Database Management:** SQL, Data Warehousing

### **References**

Micki Wentzel | Co-founder and co-manager Mekaela Academies | Email: micki@mekaela.com | Phone: +25472804849

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