

RIOBA RAMADHAN MWITA

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PROFESSIONAL SUMMARY

Alumnus of Moi University, trained in Geographic Information Systems, Remote Sensing, Land Surveying and Software Development. Experienced in seasonal survey work, geospatial assignments, spatial workshops, and hands-on field operations. An environmental practitioner with complementary software development skills, capable of developing functional digital solutions and databases to support work.

KEY SKILLS

- Geographic Information Systems (GIS) & Remote Sensing
- Cadastral, Plane, Geodetic & Topographic Surveying
- ArcGIS & QGIS
- Flow Hydro
- AutoCAD (Survey Plans & Floor Layouts)
- R Studio (Leaflet, Spatial & Statistical Analysis)
- Google Earth Pro & Google Earth Engine
- Programming Languages & Software Development

EDUCATION

Moi University
BA Geographic Information Systems
Second Class Honours
Graduated: 2025

Kanyawanga High School
KCSE
Completed: 2020

Bukuria Schools
KCPE
Completed: 2016

WORK EXPERIENCE

Land Survey Assistant (Seasonal) – Homeland Surveyors, Nyeri County (February 2022 – October 2025)

I undertook seasonal survey assignments covering cadastral, geodetic, and plane surveys, operating RTK GNSS, GPS, and Total Station equipment for accurate field data collection. I prepared survey plans, site layouts, coordinate computations using AutoCAD, carried out boundary verification, topographic mapping, utility mapping, maintained survey records and supported field logistics and client deliverables.

GeoLink Surveyors, Nyeri County (December 2024 – January 2025)

Supported cadastral survey operations, measurements, subdivision layouts, survey documentation and compliance with survey standards.

Octa-Surveys and Engineering, Kwale County (October 2025 – November 2025)

Assisted land surveys, survey control establishment, boundary and topographic surveys, technical drawings, field coordination and data organization.

Software Development (Freelance) (October 2025 – Present)

Develop practical, data-driven systems and software for professional and organizational use.

Geographic Information Systems & Remote Sensing Trainee – DRSRS, Nairobi (April 2024 – July 2024)

Participated in geospatial workshops on spatial data management, metadata and government mapping standards. Prepared maps, cleaned spatial data, managed layers and produced cartographic outputs.

PROJECTS & PRACTICAL EXPERIENCE

Academic Research

Determination of the Most Suitable Dumpsite Location in Kesses Subcounty, Uasin Gishu County, Kenya. The study produced environmental risk and hazard maps supporting sustainable waste management.

- Environmental and spatial analysis support including forest cover change detection, LULC change analysis and land fragmentation in Uasin Gishu County.
- Spatiotemporal analysis of climate variability and water availability in Machakos County.
- Tea farming suitability and productivity assessment in Kericho County and urban agriculture mapping in Eldoret.
- Industrial site suitability analysis in Nyeri County.
- Urban Expansion and Land Use Change Analysis in Eldoret Town.

LANGUAGES

English – Fluent
Kiswahili – Fluent

REFERENCES

Dr. Salee Damaris
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