

THERESA NYATICH MONARI

nyatichitheresa@gmail.com | +254741720361 | [GitHub](#) | [LinkedIn](#) |

PROFESSIONAL OBJECTIVE:

A young surveyor and spatial data analyst leveraging expertise in Geographic Information Systems (GIS), geospatial data acquisition, remote sensing, data processing, visualization, and mapping to collect and analyze location-based data using GPS, aerial photography, mobile mapping, and other techniques. I am eager to apply the technical skills and leadership experience I gained through student and institutional roles to develop further my career as a geospatial data expert and land surveyor.

EDUCATION:

The Technical University of Kenya

Bachelor of Technology in Surveying Technology

GPA: 3.47/4.00

Nairobi, Kenya

Aug 2018- Dec 2023

- **Relevant Coursework:** GIS, Remote Sensing, Cartography and Map Production, Cadastral, Topographic Surveying, Geo-positioning, Geodesy, etc.

Nyabururu Girls High School

Certificate: *Kenya Certificate of Secondary Education*

Kisii, Kenya

Jan 2014- Dec 2017

Nyagiki Primary School

Certificate: *Kenya Certificate of Primary Education*

Kisii, Kenya

Jan 2006- Dec 2013

WORK EXPERIENCE:

Kenya Power and Lighting Company (KPLC)

GIS Data Analyst (Internship)

Nairobi, Kenya

Feb 2024 - Current

- Extracted geographic data from satellite imagery, aerial photography, and field reconnaissance.
- Created geographic data and compiled them into maps.
- Created and maintained multiple geospatial databases.
- Drew, digitized and scanned cultural, topographic, hydrographic, and other features or in digital formats.
- Provided geospatial information to infrastructure development and maintenance Engineers for network operations and maintenance.

Regional Centre for Mapping of Resources For Development (RCMRD)

Geospatial Data Analyst (Internship)

Nairobi, Kenya

May 2023- Dec 2023

- Participating in data collection fieldwork.
- Analyzing and synthesizing environmental information (land use and weather) using satellite remote sensing data from different satellite missions.
- Producing results in maps, tables, and charts that communicate accurate results.

Kenya National Highways Authority (KENHA)

Nairobi, Kenya

Land Surveyor (Attachment)

Jan 2023 – Mar 2023

- Fieldwork team member for road projects, including Civil 3d mapping, road reserve marking, leveling, referencing, cadastral surveying, static surveying, and topographic surveying.
- Spatial data extraction from Satellite imagery, processing spatial and aspatial data, and coordinates transformations to develop road project maps.
- .Setting out of footbridges and drainage culverts.

SKILLS:

Technical Skills: GIS Programming | Mobile Data Collection | GPS Essentials | RTK | Total Stations | ArcGIS | QGIS | Google Earth | QGIS GRASS | Civil 3D | HTML | CSS | Python | Microsoft Office.

Professional Skills: Data analytics | Scientific Research | Report Writing | Results Analysis and Recommendations | Accountability | Analytical Thinking | Leadership and Mentorship | Team Player | Effective Communication and Listening | Flexible | Adaptive | Responsible | Trustworthy | Problem-solving | Innovative.

LEADERSHIP EXPERIENCE:

INDEPENDENT ELECTORAL AND BOUNDARY COMMISSION CLERK – GENERAL ELECTIONS

Kisii, Kenya
Aug 2022 – Sep 2022

- Guiding the voters throughout the voting process.
- Assisting the presiding officer in counting the votes and filling the forms.
- Ensuring voting by use of BVR equipment.
- Keeping the secrecy and confidentiality of the Electoral Board.

OTHER CERTIFICATIONS:

ESRI MOOC: Transform AEC Projects with GIS and BIM | Imagery in Action | Going Places with Spatial Analysis | Spatial Data Science: The New Frontier in Analytics | Make an Impact with Modern Geo Apps. **2024**

Freecodecamp: Responsive Web Design **2024**

SheCodes: Introduction to Coding (HTML, CSS, and Javascript). **2024**

St. Anne's College Ogembo: Computer Packages & Applications. **2018**

PROFESSIONAL MEMBERSHIP:

The Institution of Surveyors of Kenya (ISK)
Membership No.: ISK No. 5418

Aug 2022- Current

REFEREES:

Mr. Tom Mumo Okongo

Assistant Lecturer, The Technical
University of Kenya.

Email: tom.mumo@tukenya.ac.ke

Tel: +254 721 820 226

Mr. Ezra Aming'a

Land Surveyor, Bayana Construction
Limited.

Email: aminga30.ezra@gmail.com/
surveyor@bayana-eng.com

Tel: +254715132900
