THERESA NYATICHI MONARI

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WORK EXPERIENCE:

Kenya Power and Lighting Company (KPLC)   *Nairobi, Kenya*
GIS Data Analyst (Internship)   *Feb 2024 - Current*
- Extracted geographic data from satellite imagery and aerial photography and collected topographic data using RTK.
- Created and maintained multiple geospatial databases.
- Map compilation, digitized and scanned topographic maps into 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*
- Participated in data collection fieldwork.   *May 2023- Dec 2023*
- Analyzed geographic environmental information (land use and weather) using satellite remote sensing data from different satellite missions.
- Produced maps, tables, and charts visualization.

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, levelling, referencing, cadastral surveying, static surveying, and topographic surveying.
- Spatial data extraction from Satellite imagery, processing spatial and aspatial data.
- Coordinates transformations to develop road project maps.
- Digitization of old topographic maps using ESRI ArcGIS Products.
- Setting out road infrastructure such as footbridges and drainage culverts.

EDUCATION:

The Technical University of Kenya   *Nairobi, Kenya*
Bachelor of Technology in Surveying Technology   *Aug 2018- Dec 2023*
GPA: 3.47/ 4.00
- **Relevant Coursework**: Geographic Information Science, Remote Sensing, Cartography and Map Production, Cadastral, Topographic Surveying, Geo-positioning, Geodesy, etc.

SKILLS:

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

Professional Skills: Data analytics| Scientific Research| Responsive Web Design | 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   *Kisii, Kenya*
CLERK – GENERAL ELECTIONS   *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: Spatial Data Science: The New Frontier in Analytics |Make an Impact with Modern Geo Apps | Transform AEC Projects with GIS and BIM| Imagery in Action| Going Places with Spatial Analysis.
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)   *Aug 2022- Current*
Membership No.: ISK No. 5418

REFEREES:

Mr. Tom Mumo Okongo
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