Samuel Musyoka

0757556067|samuelmmy071@gmail.com|github.com/ crebi | github.com/musyoka-exe|Nairobi

OBJECTIVE

Dedicated GIS and surveying expert with a strong programming background, seeking to leverage my passion for artificial intelligence and machine learning in a dynamic organization. Aiming to contribute innovative solutions that enhance geospatial analytics and optimize project outcomes. Eager to collaborate with a team that values technological advancement and data-driven decision-making.

WORK EXPERIENCE

Attachee   May 2023 - August 2023
 Survey of Kenya - Ruaraka

- Conducted land surveys to establish precise boundaries and demarcations for various properties.
- Employed Geographic Information Systems (GIS) to visualize and analyze survey data, enhancing decision-making and spatial understanding.
- Assisted in the upkeep of a national cadastre, contributing to a comprehensive land registration system.

GIS Attachee   May 2024 - August 2024
 Kenya Forest Service

- Assisted in the development and maintenance of GIS databases to support forest management activities.
- Conducted spatial analysis using GIS software to identify trends and patterns in land use.
- Collaborated with team members to create detailed maps for conservation planning and resource allocation.

EDUCATION

Jomo Kenyatta University of Science and Technology

BSc. Geomatic Engineering and GIS   September 2020 - Present

- Acquired comprehensive knowledge in Geomatic Engineering concepts, including surveying techniques and data acquisition.
- Gained hands-on experience with Geographic Information Systems (GIS) applications for spatial analysis and map creation.
- Engaged in projects utilizing remote sensing technologies to gather and interpret geographical data.

Power Learn Project Academy

Certificate in Software Development   February 2025 - Present

- Developed proficiency in Python and JavaScript through hands-on projects and coursework.
- Created dynamic web applications utilizing Flutter and various web technologies, enhancing user experience.
- Collaborated with peers on GitHub to contribute to group projects, applying agile development practices.

PROJECT

Shamba AI   September 2024 - Present

- Developed an AI-driven tool to assist African farmers in early detection of diseases and pests, leading to a 40% reduction in crop loss.
-

Collaborated with PLP to refine machine learning algorithms, improving diagnostic accuracy and user experience.

SKILLS

- Proficient in GIS software including ArcGIS, QGIS and more for advanced spatial analysis and cartographic design.
- Skilled in operating various survey equipment for precise data collection and geospatial measurements.
- Experienced in data analysis and data science techniques to extract actionable insights from complex datasets using the available tools.
- Skilled in web and native app development.