# **SYLVIA CHEBET**

Geospatial Engineer

Nairobi, Kenya

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@ sylviachebet03@gmail.com

Skills

QGIS

Software

**ArcGIS**Software

Microsoft Office(Excel, Powerpoint, Word etc)

GIS

**AUTOCAD** 

**Data Management** 

Interests

Engaging in voluntary activities

**Community Development** 

Travelling and adventure

Reading articles

Certifications

**KCSE Certificate** 

KNEC

December 2016

Degree certificate

University of Nairobi

September 2023

Languages

English

Advanced

References

Hillary Lang'at

Project Manager-OrthoMap

Solutions Ltd

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Dr. Kennedy Were

Supervisor, KALRO (Kenya Soil

Survey Department)

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Dr. David Siriba

Lecturer, Department of Geospatial and Space Technology,

University of Nairobi

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Nathan Kikwai

CEO, SMACHS Foundation

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#### Summary

A hardworking and dedicated Geospatial engineer with experience in utilizing geospatial technology and data analysis to support diverse projects and business objectives. Proficient in applying advanced GIS tools and methodologies to collect, manage, and interpret spatial data. Adept at creating visually engaging maps and conducting in-depth spatial analysis to provide valuable insights.

# Experience

#### **SMACHS Foundation**

September 2023- December 2023

Monitoring and Evaluation Officer

Karen, Nairobi

The roles involve designing Monitoring and Evaluation (M&E) frameworks for projects, collecting, analyzing, and interpreting data related to project activities, monitoring project implementation to ensure alignment with goals, providing training and support for members involved in data collection, and preparing and presenting M&E reports to senior management and stakeholders.

### OrthoMap Solutions Ltd

**July 2023- August 2023** 

Assistant surveyor

Naivasha, Nakuru,Eldoret,Kisumu and Mombasa

The project involves site investigations for assessing the potential of biogas production in Landílls. The roles include conducting a topographic survey using a drone for photogrammetric mapping of the entire landfills area and executing a thermal imaging survey using a radiometric thermal drone to assess heat distribution across the landfills.

# Karuri Water and Sanitation Company

Januray 2023-June 2023

GIS Analyst

Kiambu, Kenya

The roles involve mapping the water supply network in Kiambaa subcounty, Kiambu County. This includes generating maps using GIS software such as QGIS and ArcGIS, compiling geographic information from various sources like satellite images, geographical surveys, and aerial photographs, and preparing reports using GIS and GPS data sources.

# Kenya Agricultural and Livestock Research Organization

July 2021-September 2021

Nairobi, Kenya

GIS Attache

The roles involve scanning, georeferencing, digitizing, and generating maps, conducting suitability analysis for crops, and performing land use and land cover mapping. Additionally, I participated in the McKnight Fieldwork Project, specifically focusing on data collection and mapping of water resources in West Pokot County.

# Education

# Moringa School

February 2024-Present

Software Engineeering/Full Stack Web Developer

Diploma

# University of Nairobi

Bsc. in Geospatial Engineering
2nd Class Honors (Upper Division)

**Tenwek Boarding Primary School** 

September 2017-September 2022

Bachelor's Degree

Kipsigis Girls' High School

February 2013- November 2016

A- (74 Points)

February 2004 -December 2012 KCPE

353 Marks

Projects

Land Suitability Analysis for Avocado

Farming in Bomet County using GIS

September 2021-May 2022

Research project

Land evaluation is concerned with determining how well a piece of land performs when it is used for a certain purpose. It entails undertaking and interpreting fundamental surveys of soil, climate, vegetation, and the features of land so as to meet the requirements of alternative land uses. From the study area: 53,080 Ha (22%) of land is highly suitable, 192,098 Ha (77%) is moderately suitable while 1,978 Ha (1%) is marginally suitable for avocado farming. 1% of Konoin and 3% of Bomet East subcounties is marginally suitable as the parts receives low rainfall and the temperature conditions are not favorable for avocado farming.

AHP, MCDA

Volunteering

**SMACHS Foundation** 

September 2023- December 2023

Monitoring and Evaluation Officer Karen, Nairobi