

Rebecca Njoki Kamunya

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EDUCATION

Jomo Kenyatta University of Agriculture and Technology

B.Sc. in Geospatial Information Science

Attained Second Class Honors

- **Dissertation:** Site Selection Prediction for Supermarkets Based on Multi-Source Spatial Data Using Machine Learning Techniques.

Main Campus

2020 - 2024

Moi Girls Isinya Secondary School

Kenya Certificate of Secondary Education (K.C.S.E)

Scored a **B+** and attained the following grades:

- Mathematics: B+
- English: B+
- Kiswahili: B+
- Biology: B-
- Chemistry: C+
- Physics: B-
- Geography: A-
- C.R.E: B+

Kajiado

2016 - 2019

Kajiado Hills Academy

Kenya Certificate of Primary Education (K.C.P.E)

Scored 383 marks and attained the following grades:

- Mathematics: B+
- English: A
- Kiswahili: A-
- Social Studies & C.R.E: A-
- Science: B+

Kajiado

2004 - 2015

WORK EXPERIENCE

Sowphie

Software Developer Intern

September 2025 – December 2025

Nairobi

- Developed and maintained both frontend and backend components of web applications.
- Designed and implemented RESTful APIs, including third-party service integrations.
- Built secure user authentication and authorization systems.
- Managed client-side state and user sessions for seamless user experiences.
- Conducted cross-platform compatibility testing to ensure consistent functionality.
- Optimized frontend performance for speed, accessibility, and responsiveness.

Zynamis Limited

Apprentice

May 2025 – August 2025

Nairobi

- Assisted in developing front-end and back-end features using technologies such as **JavaScript, React, Python, Django** and REST APIs.
- Indulged in code reviews, testing, debugging, and documentation.
- Collaborated with designers, developers, and stakeholders to translate requirements into functional software.
- Wrote clean, maintainable code and performed unit testing to ensure code quality.
- Participated in agile sprints, contributing to both front-end and back-end development tasks.

United Nations Volunteers – East and Southern Africa Region(UNV ESARO)

Social Media Support

March 2025 – June 2025

Remote

- Shared and promoted corporate content on various digital and social media platforms (e.g., Facebook, Twitter, Instagram, LinkedIn).
- Developed creative ideas and content to engage diverse audiences and raised awareness of key messages and stories.
- Worked with the communications team to produce relevant digital content, including posts, articles, graphics, and videos.

Survey of Kenya

Ruaraka

Industrial Attachee

May 2023 – August 2023

- Assisted in conducting field surveys using GPS and remote sensing technologies.
- Supported GIS data processing, cartographic mapping, and spatial analysis.
- Collaborated on land surveying, mapping, and geospatial modelling projects.
- Participated in preparing technical drawings, reports, and geospatial visualizations.
- Plotted and manipulated spatial data using AutoCAD for over 10 projects, streamlining geospatial data analysis.
- Georeferenced and digitized 30+ features using ArcGIS, improving mapping accuracy by 15%.
- Collected spatial data using Total Station, handheld GPS and GNSS, enhancing data collection efficiency by 25%.

Jomo Kenyatta University of Agriculture and Technology

Juja

Industrial Attachee

May 2022 – June 2022

- Worked with data collection tools such as SW maps to map eateries around JKUAT Campus.
- Conducted 3D construction of over 15 images using ERDAS, enhancing visual analysis for geospatial projects.
- Executed data cleaning, validation and transformation of land parcels using ArcGIS.

LEADERSHIP EXPERIENCE

Moi Girls Isinya Secondary School

Kajiado

C.U Librarian

September 2017 – May 2018

- Managed and organized a collection of over 100 books, improving the cataloging process by 15%
- Curated and recommended books and media, increasing member engagement by 10%.
- Provided reference services to assist over 150 students with specific inquiries, and successfully located materials for 95% of requests.

Geography Ambassador

February 2016 – November 2019

- Served as a spokesperson for Geography during meetings with parents and teachers.
- Offered support and provided help and subject resources when needed.
- Tutored younger students in the subject.

CERTIFICATIONS

- **Microsoft Student Learn Ambassador (MLSA)** – Real Estate Price Prediction (2022)
- **Disaster Assessment Using Synthetic Aperture Radar** – NASA(2022)
- **JavaScript and React.JS** – Devtown (2023)
- **KAIROS** – Mission Campaign Network (2024)
- **Web Development** – eMobilis Technology Training Institute (2025)

ACHIEVEMENTS

- Holder of a valid driver's license.
- Digitized over 100 features through the HOTOSM platform.
- Designed my portfolio [website](#) showcasing my expertise and recent works.
- Created a web app called **IDFinder** that enables Kenyan citizens to report and retrieve lost ID's using **MySQL**, **Bootstrap** and **Django** frameworks.
- Participated in the Bible Translation and Literacy 5km Walk held on 16th March 2024.

PROFESSIONAL BODIES

Student Member of Institution of Surveyors of Kenya (ISK) – Member No. **5045**

SKILLS AND INTERESTS

Skills: ArcGIS; AutoCAD; ERDAS Imagine; GEE; R; Microsoft Office (Word, Excel, PowerPoint); HTML; CSS; JavaScript; Python; MySQL; Django; Bootstrap; Canva; React; Tailwind CSS; PostgreSQL

Interests: Content creation, volunteering, customer care, playing a guitar, singing, basketball.

REFEREES

Dr. Charles O. Gaya, Ph.D.
Director: Directorate of performance Contracting
and Appraisal (DIPCA)
Lecturer: Department of Geomatic Engineering and
Geospatial Information Systems (GEGIS)
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