Jemosop Joy Kosgei

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EDUCATION

Jomo Kenyatta University of Agriculture and Technology, Juja-Kiambu — **September 2021--December 2026**

Bachelor of Science, Geospatial Information Science (GIS)
Relevant course work:
● GIS Data Analysis & Visualization
● Web Development for Geospatial Applications
● Spatial Data Management

EMobilis Technology Institute, Bootcamp — **October 2024--December 2024**

Web Development
Relevant course work:
● Building robust and scalable web applications
● Using Python, Django
● Learnt Bootstrap framework

Software Development, Power Learn Project Africa — **July 2025 -- Present**

Software Development Scholarship
Relevant course work:
● Programming fundamentals using python and JavaScript
● Hands on development of web apps through team projects
● Mentorship in job readiness, collaborative hackathons and real-world software challenges

Modern GeoApps, Esri's MOOC — **April 2025 -- May 2025**

Introduction to Modern Geo Apps
Relevant course work:
● Focus on No-Code App building
● Exploration of key ArcGIS Apps
● Real World application and Skill development

Django Rest Framework, Bootcamp   **April 2025 -- Present**

Building powerful APIs with Python
Relevant course work:
● API development
● Building security; Authentication methods
● Django RESTAPI Framework

VOLUNTEERING EXPERIENCE

GEEK-SSTERS COMMUNITY   **January 2025 -- Present**

Web Development Technical Lead Roles:

- **Provided technical guidance and direction** for community web development initiatives, ensuring best practices and a cohesive technology stack.
- **Facilitated learning and growth** by identifying relevant web development trends and mentoring community members through discussions, workshops, and resources.
- **Cultivated a collaborative environment** by initiating technical discussions, driving joint projects, and bridging technical knowledge gaps among members.
- **Drove innovation** by exploring new technologies and tools to enhance the community's technical capabilities and user experience.
- **Offered technical support and problem-solving** for community web-related issues, ensuring a smooth and engaging experience for all members.

PROJECTS & EXTRACURRICULAR

Event Management and Booking System   **December 2024**
- I built an Event Management & Ticket Booking System, which enables users to view upcoming events and book tickets effortlessly.
- Organizers can also create, update, and manage events seamlessly.
- Built using Python/Django tech stack and MySQL database.

Library App   **May 2025**
- I built a library app that demonstrates basic CRUD (Create, Read, Update, and Delete) operations using JavaScript and the DOM.
- It illustrates capturing user input, managing data, and dynamically updating the web page.
- Showcases interactive data manipulation directly within the web browser.

SKILLS

Programming languages: Python, JavaScript, CSS

Frameworks: Django, React, Node.js, Bootstrap, NumPy, Pandas

Tools: Excel, PowerPoint, MySQL

Platforms: PyCharm, Jupyter Notebook, Visual Studio Code, Git & Github

CERTIFICATES

Web Development with Django | Emobilis:

- Mastered fundamental Python syntax, loops, functions, and data structures.
- Acquired expertise in web development using the Python framework, Django

Modern GeoApps | Esri's MOOC:

- Introduced to GeoApps that have diverse applications in analyzing information about the earth features

The complete Django Rest Framework | Udemy:

- Learned about API development and the Django Rest Framework: GET/POST & PUT/DELETE in action
- Mastered fundamentals in Security's authentication: Session & Token (JWT) Authentication

Introduction to Embedded Systems and IoT Training | Angaza-Elimu:

- Learned about Arduino programming, cloud connectivity, and problem-solving in embedded systems and Internet of Things.
- Developed a comprehensive understanding of IOT technology, integrating sensors and actuators.