

# ANDREW B. ODHIAMBO

B.Sc. Nurse | Data analyst | Tech innovator | Python developer |

🏠 KERICHO, KENYA

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## PROFILE

A versatile software developer and data analyst with a strong foundation in healthcare technology and innovation. **Finalist in the Huawei ICT Competition 2024 (Computing Track), skilled in operating systems (OpenEuler), database management (OpenGauss), and Kubernetes deployment techniques.** Graduate of the **eMobilis Mobile Technology Institute Bootcamp and ALX Linux and Python Developer Program, with expertise in Python, Django, Bootstrap, and API integration.** Creator of innovative tech solutions, including a Clinic Management System and CarbCare, a platform for personalized diabetic care.

## EXPERIENCE

### HUAWEI ICT COMPETITION 2024 FINALIST (COMPUTING TRACK) | HUAWEI

(Jan 2024 – May 2024)

- Specialized in operating systems (OpenEuler) and database management (OpenGauss).
- Gained hands-on experience in Kubernetes deployment and computing solutions.

### EMOBILIS BOOTCAMP TRAINEE | EMOBILIS

(Sep 2024 – Dec 2024)

- Learned full-stack development using Python, Django, and Bootstrap.
- Developed API integration with Daraja API for MPESA.
- Final project: Clinic Management System to streamline healthcare operations.

### PLANETARY HEALTH AMBASSADOR | UNIVERSITY OF KABIANGA

Jan 2024 – Aug 2024

- Advocated for the integration of planetary health principles into university health programs.
- Organized events and campaigns to educate students and the community on the importance of sustainable health practices.
- Successfully established partnerships with local organizations to promote environmental health initiatives.

### PRE-INCUBATION PARTICIPANT | AFRICA IMPACT INITIATIVE

6 WEEKS

- Gained in-depth knowledge of health entrepreneurship, focusing on sustainable business models in the healthcare industry.
- Engaged in hands-on learning experiences that enhanced understanding of market analysis, healthcare innovation, and venture development.
- Collaborated with fellow participants to develop healthcare solutions aimed at addressing pressing challenges in non-communicable diseases (NCDs).

## **FOUNDER |CARBCARE**

***Jan 2023 – Present***

- Developed and launched CarbCare, a platform that provides diabetic patients with personalized meal delivery plans, integrating diet management with medical consultations.
- Facilitated over 200 remote consultations, improving access to specialized care for diabetic patients across Kenya.
- Implemented data-driven approaches to customize meal plans, resulting in a 25% improvement in patient adherence to dietary recommendations.

## **STUDENT LEADERSHIP | STUDENTS' NURSING COUNCIL, UNIVERSITY OF KABIANGA**

***Nov 2022 – Nov 2023***

- Led initiatives to enhance student engagement and welfare, organizing workshops and health camps that reached over 1,000 students.
- Played a crucial role in policy advocacy, influencing university decisions on student healthcare services.
- Coordinated inter-departmental collaborations to deliver health education and promote mental health awareness.

## **MENTAL HEALTH CAMPAIGN MANAGER| NACADA, UNIVERSITY OF KABIANGA**

***Nov 2022-Nov 2023***

- Provided one-on-one counseling sessions, supporting over 150 students in managing stress, anxiety, and other mental health challenges.
- Developed and facilitated mental health workshops, improving awareness and coping strategies among the student population.
- Collaborated with the university's health services to create a comprehensive mental health support system, resulting in a 30% increase in student engagement with mental health resources.

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## EDUCATION

### **B.Sc. Nursing** | UNIVERSITY OF KABIANGA

**NOV 2020-AUGUST 2024**

- Actively participated in student leadership, contributing to policy advocacy and student welfare programs.
- Specialized in patient care with a focus on community health, mental health advocacy, and the management of non-communicable diseases (NCDs).
- Conducted a research project on the impact of lifestyle interventions in managing diabetes, leading to a presentation at a regional health conference

### **LINUX SYSTEM ADMINISTRATION AND PYTHON DEVELOPER** | ALX

**JAN 2023-DEC 2023**

- Gained practical skills in Linux-based systems, Bash scripting, and task automation.
- Proficient in database management using OpenGauss, Postgresql , MySql and cloud deployment techniques with Kubernetes.
- Completed Python and C programming projects, hosted on GitHub

### **EMOBILIS MOBILE TECHNOLOGY INSTITUTE** | **WEB DEVELOPMENT**

(Sep 2024 – Dec 2024)

- Mastered Python, Django, Bootstrap, and Daraja API integration.
- Built a **Clinic Management System** for patient and billing management as a final project.

### **COMPUTER PROFICIENCY** | WESTERN COLLEGE

**JAN 2020-MARCH 2020**

- Attained expertise in basic computer packages and applications.

## CERTIFICATIONS

- Linux system administration
- HCIA open Euler.
- Mental health advocacy
- Computer proficiency
- Leadership training
- BLS
- ACLS
- Planetary health promoter.

## TECHNICAL SKILLS

- Programming Languages: Python, SQL, Bash, HTML
- Frameworks & Tools: Django, Bootstrap, Kubernetes
- Databases: OpenGauss, MySQL, Postgresql
- System Administration: Linux (OpenEuler, scripting, deployment)
- Cloud & APIs: Kubernetes, Daraja API

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**Soft Skills:**

Leadership, communication, team collaboration, and time management

**Projects**

1. Clinic Management System: A full-stack solution for managing patient records and billing using Python, Django, and Bootstrap.
2. CarbCare: A healthcare platform integrating data-driven meal plans and consultations, improving diabetic care outcomes.

**LANGUAGES**

- ENGLISH
  - KISWAHILI
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