



CURRICULUM VITAE

PROFILE

Full Name: SIMON N. KAMAU

Date of Birth: 30th July 2000

Gender: Male

Nationality: Kenyan

Marital Status: Single

Location: Kisii, Kenya

CONTACT

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Portfolio:

EDUCATION

BACHELOR OF SCIENCE IN COMPUTER SCIENCE KISII UNIVERSITY, KENYA

2021-2025

Key Courses: Software Engineering, Mobile App Development, Web Development, Cybersecurity, Artificial Intelligence.

KINJA SECONDARY SCHOOL

2016 – 2020

KCSE (Kenya Certificate of Secondary Education): B Plain (63 Points)

Attained excellent academic performance, excelling in subjects like Mathematics, Computer Science, and Physics.

KINJA PRIMARY SCHOOL

2008 – 2015

KCPE (Kenya Certificate of Primary Education): 306 Marks

A strong foundation in basic education, demonstrating an early aptitude for problem-solving and learning.

WORK EXPERIENCE

ATTACHEE – KISII COUNTY GOVERNMENT

May 2024 – August 2024

Key Contributions:

- Maintained and developed internal web applications to ensure smooth functionality and enhanced user experience.
- Implemented cybersecurity practices, focusing on network security, data encryption, and best practices.
- Collaborated with cross-functional teams to deliver IT solutions, improving workflow efficiency.
- Gained hands-on experience in managing IT projects, supporting system upgrades, and troubleshooting.

VOLUNTEER – KINJA SECONDARY SCHOOL

May 2022– August 2022

Key Contributions:

- Taught students basic computer skills, including word processing and internet usage.

- ii. Guided students in improving their digital literacy and research skills.
- iii. Enhanced communication and mentoring skills through classroom engagement.

TECHNICAL SKILLS

- i. **Web Development:** HTML, CSS, JavaScript, React
- ii. **Mobile App Development:** Kotlin, Java (Android)
- iii. **AI & Machine Learning:** Object Detection, Optical Character Recognition (OCR)
- iv. **Cybersecurity:** Ethical Hacking, Penetration Testing, Data Encryption
- v. **Languages:** JavaScript, React, Kotlin, Python
- vi. **Software & Tools:** Git, Visual Studio Code, Android Studio, Firebase

SOFT SKILLS

- i. **Leadership:** Demonstrated strong leadership as the ICT Chairperson for Kisii University Christian Union.
- ii. **Teamwork:** Collaborative team player with experience working in cross-functional teams.
- iii. **Problem-Solving:** Adept at identifying challenges and creating practical, innovative solutions.
- iv. **Resource Mobilization:** Skilled in organizing resources for optimal project execution.
- v. **Communication:** Excellent communicator with a passion for mentoring and teaching.

AWARD AND ACHIEVEMENTS

1st Place, Inter-University Hackathon (2024): Led a team to develop an autonomous system for visually impaired individuals, winning the competition against multiple universities.

Excellence in Leadership (2023): Recognized for my contributions as the ICT Chairperson of Kisii University Christian Union.

PORTFOLIO PROJECTS

- i. **Mobile Accessibility App:** Developed an Android application to assist blind users in navigating their environment by recognizing objects and reading text through text-to-speech functionality.
- ii. **AI-based Object Recognition System:** Integrated object detection and OCR technologies to support accessibility features in mobile applications.
- iii. **Smart Plant Monitoring System:** Developed an IoT-based system using MQTT for plant monitoring and data communication.

HOBBIES AND INTERESTS

- i. **Programming & Tech Exploration:** Passionate about coding and learning new technologies in AI, mobile development, and cybersecurity.
- ii. **Reading & Researching:** Enjoys reading leadership books and staying updated on emerging tech trends.

- iii. **Mentoring & Teaching:** Actively involved in teaching basic computer skills and sharing knowledge with others.
- iv. **Outdoor Adventures:** Enjoys hiking and outdoor activities to stay active and connected with nature.

REFERENCES

Prof. Nathan Ogechi
Vice Chancellor, Kisii University
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Teresa Abuya
Lecturer, Kisii University
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Dr. Peter
Director of Economic Planning, Kisii County Government
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