**CURRICULUM VITAE**

**PERSONAL DATA**  
Name: Otieno Kennedy Onyango  
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**PROFILE**  
An enthusiastic and driven Computer scientist (expected graduation 2025) eager to learn and gain more work experience with a strong foundation in modern software development, machine learning, and project implementation. Demonstrates a passion for building innovative solutions, collaborating with teams, and continuously learning cutting-edge technologies. Experienced in academic instruction, IT support, and leadership, seeking to contribute to a forward-thinking organization through an impactful internship experience.

**EDUCATION**  
**1. Bachelor of Science in Computer Science**  
University of Embu, Kenya (Awaiting graduation in September 2025)

**2. Secondary Education – KCSE (B Plain, 65 points)**  
Manyala Secondary School, Kenya (2017–2021)

**TECHNICAL SKILLS**

* Programming Languages: Python, HTML, CSS, JavaScript
* Frameworks: Django, Flask (in progress), basic React experience
* Tools: GitHub, OpenCV, TensorFlow, VS Code
* Database: SQL
* Software Engineering Practices: Agile methodology, SDLC understanding
* **Other skills**: Excellent Communication, Leadership, adaptable, team work and team building

**WORK EXPERIENCE**

**Computer Lab Assistant & IT Tutor**  
Embu College of Professionals April 2024 – August 2024

* Provided hardware/software support, conducted networking tutorials, and guided students on system and database development.
* Facilitated sessions on software project best practices.
* Supervised students during practicals and assisted with their academic projects.

**Part-time Teacher & Canteen Manager**  
Manyala Secondary School April 2021 – August 2021

* Taught Mathematics, Computer, English, and Science subjects.
* Supported academic performance through mentorship and structured guidance.

**Student Representative (University of Embu)** | 2021–2025

* Coordinated academic schedules, represented student concerns, and facilitated smooth communication between lecturers and students.

**ACHIEVEMENTS**

* Revamped Embu College’s computer lab, ensuring full functionality and support.
* Mentored students on software development, database management and teamwork practices.
* Led project teams and helped fellow attaches succeed in their tasks.
* Competed at county level in football representing school teams.
* Served as president of the student body in both high school and primary school.
* Nurtured leadership within Christian Union (University of Embu) in multiple departments.

**PROJECT EXPERIENCE**

**Real-Time Sign Language Recognition System (Ongoing – 2025)**

* Built using Python, TensorFlow, OpenCV, and VGG16 CNN.
* Recognizes Kenyan sign language gestures from real-time video and translates them into text.
* Designed full pipeline from video pre-processing to real-time inference and interface.
* Currently improving accuracy searching for means of having more data to work on deployment readiness and evaluation.

**KENEZRA SYTEM**

I did this system with a friend in my 2.1 and it involved having a system that would help the people who have had emergency issues with their cars and it would help them register and depending with where there was a breakdown, they’d get services depending with the facility. This system would allow them send data to the admins and thereafter know where and how to find them. Basically, used HTML, CSS and JavaScript for the front-end and Django on the backend.

These are just amongst the few projects done and engaged in, if needed, I can share the others as well

**INTEREST**

* Mentorship & Peer Coaching
* Research
* Technology
* Volunteering & Community Service
* Artificial intelligence (machine learning and robotics)

**REFEREES**  
Madam Eunice Nzisa -Senior Teacher 0725974846  
Pastor Peter Orengo - Spiritual Mentor 0727400707

Dr. Jeniffer Jepkoech - Lecturer at the University of Embu 0710558915

Madam Pauline Mwaka - Lecturer at the University of Embu 0740158550