

CURRICULUM VITAE

MARY NJERI MURAGU

P.O. BOX 62000-00200

NAIROBI

CELL PHONE: 0769689491

EMAIL: muragumary1@gmail.com

LINKEDIN: www.linkedin.com/in/mary-muragu-016482309

PERSONAL DETAILS

DATE OF BIRTH	:	2005
GENDER	:	FEMALE
NATIONALITY	:	KENYAN

EDUCATIONAL BACKGROUND

2023 to date	Jomo Kenyatta University of Agriculture and Technology BSc Computer Science
2019-2022	Kabare Girl's High School Kenya Certificate of Secondary Education (KCSE)
2011-2018	Ting'ang'a Model Primary School Kenya Certificate of Primary School (KCPE)

WORK EXPERIENCE

5/2025 to 9/2025 Africa	Backend Developer intern at JHUB
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Using Python and Django to support the educational toolkit. Developed and trained AI and machine learning models to enable accurate sign language recognition and interpretation.

PROJECTS

1. InstruMate Africa | Group project

In Progress

Creating an Educational Toolkit for learners with hearing impairment to create an inclusive learning environment using AI, Machine Learning and 3D avatars.

2. Resume Matcher API | Personal project

Built a FastAPI backend that parses resumes and ranks them against job descriptions using Python, NLP and MongoDB.

Almost complete

3. Event Management System | Personal project

A Django-based web app for event creating, RSVP tracking and user roles.

4. Cybersecurity Enthusiast, currently undertaking IBM course in Cybersecurity.

SKILLS

Programming Languages: Python, Django, Flask, SQL, POSTGRESQL, MONGODB

Tools and Platforms: Git, GitHub, Docker, Linux

Web Technologies: HTML, CSS, React

REFEREES

Referees available upon request.