

MURUNGA SIMUYU DANIEL

PERSONAL INFORMATION

Nationality:
Gender:
Date of birth:
Email:
Phone:

Kenyan
Male
20th September 2002
murungadaniel2002@gmail.com
0792-575-861

PROFESSIONAL STATEMENT

I am a recent graduate with a Bachelor of Science in Mathematics and Economics with IT, equipped with a strong foundation in analytical thinking, problem-solving, and technological applications. My mission is to drive innovative, multidisciplinary solutions that address complex challenges in the corporate world and beyond.

SKILLS & ABILITIES

- Strong analytical and problem-solving abilities.
- Power user of Excel, PowerPoint, Access, and Word programs.
- Ability to collaborate effectively with others in a team environment.
- Excellent written and verbal communication skills, demonstrated through presentations and reports.
- Advanced knowledge of **PreTeXt**, **WebWork**, **Stack**, and **JSXGraph** for developing open-source mathematics curriculum and assessment tools.
- Skilled in programming with python and R for data analysis, modeling, and automation.

WORKING EXPERIENCE

Dates	From November 2024 - May 2025
Employer	Innovations in Development, Education and the Mathematical Sciences (INNODEMS)
Position	STEM Curriculum Developer
Project	Creating open-source mathematics curriculum and assessment tools
Summary	<ul style="list-style-type: none">• Developing a digital mathematics textbook for Kenyan junior secondary schools using PreTeXt, WebWork, and Stack softwares.• Designing interactive exercises with instant feedback and worked solutions to enhance student engagement and learning outcomes.• Collaborating with a multidisciplinary team to align content with curriculum standards and ensure high-quality educational resources.

		<ul style="list-style-type: none"> Creating dynamic visualizations and automated assessments to make mathematics more accessible and interactive.
	Dates	From May 2023 to July 2023
	Employer	Maseno University Laboratory For Interdisciplinary Statistical Analysis (MU-LISA)
	Position	Data Analyst (attachment)
	Summary	<ul style="list-style-type: none"> Utilizing Kobo Toolbox to create data collecting tools. Creation of an Online Learning Resource for students at the school of Mathematics, Statistics and Actuarial Science. Analysis of data from performance monitoring for Action (PMA) website. Analysis of weather data using data from automatic weather station at Maseno University.

EDUCATION	Institution	Open University of Kenya
	Dates	March 2025 - May 2025
	Course	Data Science and Artificial Intelligence
	Institution	Maseno University
	Dates	2020 - 2024
	Degree	Bachelor of Science (Mathematics and Economics, with IT)
	Award	First Class Honours
	Institution	Namanjalala Secondary School
	Dates	2016 - 2019
	Certificate	Kenya Certificate of Secondary Education
	Institution	Korinyang' Primary School
	Dates	2008 - 2015
	Certificate	Kenya Certificate of Primary Education

HONOURS AND AWARDS

- December **2024**: Awarded a First Class Honours Degree at Maseno University.
- March **2025**: Awarded a scholarship by KIEP SKIES to undertake a Certificate Course in Data Science and Artificial Intelligence at Open University of Kenya, Kenya.

WORKSHOP

- Planning and facilitation of activities for the Maths Camp at Siburi Mixed Secondary School, which took place from February 3rd to 7th, 2025, with the theme "Mathematics Instruction for Lifelong Learning".

CERTIFICATIONS

1. IBM Data Science Practitioner Certificate. Verify at:
<https://www.credly.com/badges/80bbf381-3f94-4d64-8bc2-8689fc7c13a9/>
2. Data Science and Artificial Intelligence (Open University of Kenya)
3. Data Analysis with R Programming (an online non-credit course authorized by Google and offered through Coursera) verify at:
<https://coursera.org/verify/QGWRP8ABQZKU>
4. Crash Course on Python (an online non-credit course authorized by Google and offered through Coursera) verify at:
<https://coursera.org/verify/CR4QWBWCLFAJ>

LANGUAGES		Speaking	Reading	Writing
	English	Excellent	Excellent	Excellent
	Kiswahili	Excellent	Excellent	Excellent

REFEREES	1. Dr. Donnie Munyao, Lecturer - Maseno University	Email: dmkasyoki@maseno.ac.ke Phone No: 0717-940-409
	2. Dr. Michael Obiero, Lecturer - Maseno University	Email: obiero@maseno.ac.ke Phone No: 0737-456-117
	3. Mulinya Owen Kizito, STEM Educator- - INNODEMS	Email: owen.kizito@innodems.org Phone: 0705-538-282

Certification

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience.

Signature:



Date: 19th June 2025