

CURRICULUM VITAE

PERSONAL DETAILS

NAME: MURIU ALFRED GITHUI
DATE OF BIRTH: 13TH SEPTEMBER 2005
GENDER: MALE
NATIONALITY: KENYAN
EMAIL ADDRESS: alfredmuriu19@gmail.com
ADDRESS: P.O. BOX 12007 – 00400 NAIROBI
PHONE NUMBER: +254790600972
LANGUAGES: ENGLISH, KISWAHILI, SPANISH
PORTFOLIO URL: alfredmuriu.xyz
GITHUB URL: <https://github.com/alfredmuriu>

WORK EXPERIENCE

2026 – Present: **Co-Founder & Backend Engineer – Selene, Kenya.**

- Co-founded Selene, <https://selenos.world/>, an AI-powered study assistant for Kenyan university students, built to make personalised academic support affordable and accessible.
- Owns backend infrastructure and AI integrations (Claude, OpenAI, Gemini, Ollama) using Django and PostgreSQL.
- Built features including a per-student knowledge graph, spaced repetition for exam preparation, and a hybrid AI routing system to keep the platform affordable at scale.

Nov 2025 – Jun 2026: Technical Digitizer – Open University of Kenya.

- Converted university-level STEM course materials into structured digital content for the Moodle LMS, using LaTeX for precise mathematical typesetting.
- Built Moodle XML question banks with structured feedback and used STACK and Maxima for computer-assessed mathematics questions requiring algebraic evaluation.
- Embedded and captioned technical diagrams within HTML-formatted content, maintaining accuracy across mathematical notation, question logic, and answer weighting.

Oct 2025 – Mar 2026 : Full Stack Developer – Agrikima Limited, Kenya.

- Built and shipped the company website (agrikima.co.ke), including the product catalogue, and handled on-page SEO and blog content to grow organic traffic.
- Designed and developed multiple AI-powered digital products including an AI marketing agent, WhatsApp chatbot, feed formulation software, and a farmer data collection system.
- Integrated Claude AI and Vertex AI APIs for intelligent content generation and automated social media posting.
- Worked directly with the marketing team to translate campaign requirements into UI changes and shipped iterations off their feedback.

Jan 2026 – Present: Videographer – Agrikima Limited, Kenya.

- Produced AI-generated product and documentary video content using Higgsfield (Kling 3.0 Turbo), Vertex AI Veo, ElevenLabs and CapCut.
- Ran the "Farm Stories" documentary series, delivering 9:16 cuts for Meta ad placements and 16:9 for long-form distribution.

Sep – Nov 2024: Mathematics Tutor – Jamhuri High School, Nairobi.

- Tutored secondary school students in mathematics with a focus on Kenya Certificate of Secondary Education (KCSE) exam preparation, covering algebra, geometry, trigonometry, and problem-solving techniques.
- Adapted explanations to different learning levels, breaking down complex concepts into accessible steps to build student confidence ahead of their final examinations.
- Guided students through past KCSE papers and examiners' marking schemes to familiarise them with question structure, timing, and expected working formats.

EDUCATION

2024 – 2028: Strathmore University
Bachelor of Science in Informatics and Computer Science.

2024: Moringa School
Certified in Cyber Security (ISC2).

2020 – 2023: Nairobi School
Kenya Certificate of Secondary Education
Subjects: Mathematics, Physics, Chemistry, Biology, English, Kiswahili, Geography, Computer Studies.

SKILLS

Technical: Python, JavaScript, React, Next.js, Django, HTML/CSS, SQL, PostgreSQL, Supabase

AI & ML: Claude API, Gemini API, Vertex AI, AI prompt engineering, LLM integration

Math Tools: LaTeX, STACK, Maxima, mathematical visualization and diagram creation

Other: Git, REST APIs, Vercel, full-stack development, agile collaboration

ACHIEVEMENTS

IMO Representative: Represented Kenya and Africa at the 65th International Mathematical Olympiad, University of Bath, United Kingdom, July 2024.

<https://kenyabuzz.com/lifestyle/kenyan-highschoolers-at-65th-international-mathematical-olympiad>

Part of the Kenyan team to represent the country at the 64th International Mathematical Olympiad, Chiba, Japan, 2023.

KMO Gold Medalist: Attained Position 6 in the Third Round of the KAPEK Kenya Mathematical Olympiad (February 2023).

Received multiple Certificates of Merit and two medals in national mathematics contests.

3rd Nationally in the Kenya Mathematical Olympiad (September 2023).

Math Club President: Led Nairobi School's Mathematics Club; acted as liaison between students and the mathematics department; organised peer learning sessions and contest preparation.

INTERESTS

Mathematics & Problem Solving: Competitive mathematics, mathematical olympiads, and contest preparation. I enjoy the process of breaking down hard problems and finding the clearest path to a solution.

AI & Education Technology: Genuinely interested in how AI can make quality education more accessible.

Full Stack Development: I enjoy building things end to end, from database design to the interface a user actually interacts with.

REFEREES

Mr. Justin Gitia
CEO, Agrikima Limited
Tel: +254 721 208 918