





MERCY GATUNE

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 GitHub: <https://github.com/MERCYGATUNE>

Professional Summary

I'm driven by a deep fascination with the intersection of biology and technology. With formal training in Bioengineering and Software Engineering, I thrive on exploring both natural and digital systems to solve real-world challenges. My work is fueled by curiosity, grounded in purpose, and guided by the belief that innovation should serve people.

Technical Skills

Front-end: HTML, CSS, JavaScript, React

Back-end: Python, SQLite

Tools: Git, GitHub, VS Code, CLI

Other: Analytical Thinking, Documentation, Communication, Version Control

Projects

Examer Pro | *React (Front-end), Python (Back-end)*

An exam management system for students to access past papers, take practice tests, receive scores, and track progress.

- Developed full-stack CRUD features
- Integrated dynamic scoring and progress tracking
- Designed user-friendly interface

Rave – Restaurant Reservation CLI App | *Python, SQLite*

A command-line tool for restaurant reservations with persistent data storage.

- Built CRUD-based reservation system
- Implemented input validations and error handling

Red Drip – Blood Bank Management App | *React, JavaScript*

A web platform for coordinating between donors, recipients, and hospitals.

- Enabled donor registration and scheduling
- Added inventory tracking and real-time notifications

Okoa Jua – Solar E-commerce Platform | *HTML, CSS, JavaScript*

An e-commerce site for promoting solar energy products during rainy seasons.

- Built responsive UI with light/dark mode
 - Integrated WhatsApp chatbot and shopping cart
 - Promoted clean energy education
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Professional Experience

Freelance Software Developer | Nairobi, Kenya | Nov 2024 – Jul 2025

- Developed responsive web apps using HTML, CSS, JavaScript, and React
- Created clean and intuitive user interfaces
- Maintained version control and collaboration via Git/GitHub
- Continuously learning through personal and online projects

Intertek Laboratory Services – Attachee | Mombasa, Kenya | Apr 2022

- Conducted microbiological tests and supported sample tracking
- Assisted with data entry and reporting
- Engaged in microscopy and biochemical identification tasks

Pwani Oil Group – Attachee | Mombasa, Kenya | Jan 2022 – Mar 2022

- Performed quality tests on raw, in-process, and finished products
 - Conducted physical, chemical, and microbiological analysis
 - Maintained QA lab records and contributed to reports
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Brand & Outreach Experience

Game Changer Marketing Agency – Brand Ambassador | Mombasa | Oct 2020 – Sep 2021

- Boosted sales through customer engagement and live demos
- Delivered brand storytelling and product activation
- Supported logistics during events

EXP Agency Africa – Brand Representative | Mombasa | Jun 2018 – Aug 2019

- Promoted brand awareness through field marketing
 - Conducted product demos and gathered customer feedback
 - Assisted in event coordination and reporting
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Education

Moringa School

Software Engineering | Nairobi, Kenya | Feb – Aug 2024

Graduated: Nov 2024

Jomo Kenyatta University of Agriculture and Technology (JKUAT)

B.Sc. Applied Bioengineering | Nairobi, Kenya | Aug 2018 – Dec 2022

Graduated: June 2023

Referees

Available upon request.