

James Kariuki

Computer Science graduate

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PROFILE

I am a Computer Science graduate from Tharaka University with strong skills in Python, Django and full-stack web development. I build clean, efficient systems and user-friendly interfaces, with experience developing platforms like www.progradevelocity.co.ke and www.dommaterdeischool.academy. I'm also skilled in IT support, networking and adapting new technologies including AI. I enjoy solving real problems through practical, reliable digital solutions and I'm always ready to learn, collaborate and deliver.

EXPERIENCE

IT Intern(Industrial Attachment), Mount Kenya University-Nairobi Campus 05/2024 – 08/2024

- Assisted in upgrading digital platforms and ensuring cross-device compatibility for campus systems.
- Contributed to front-end interface adjustments for internal web applications.
- Improved performance and accessibility by troubleshooting UI inconsistencies across browsers.

Developers Team Lead, Teklora Limited 07/2025 – Present
Nairobi, Kenya

- Led design and development of a responsive, mobile-first website to increase community engagement.
- Built reusable UI components and layout structures using HTML, CSS, JavaScript and Tailwind CSS.
- Created design prototypes and visual assets in Figma, ensuring alignment with brand identity.

ICT officer, Mater Dei School Gatunga 01/2026 – Present
Tharaka Nithi

- Developed and maintain the school's official website (www.dommaterdeischool.academy/).
- Manage the computer laboratory and provide user technical support.
- Oversee CCTV systems operation and basic maintenance.
- Handle day-to-day ICT support for hardware, software and networking.

EDUCATION

Bachelor of Science in Computer Science, Tharaka University 2021 – 2025

SKILLS

Programming & Systems

Python, PHP, JavaScript, Unix/Linux (CLI, Shell)

Backend Development

Django, Laravel, Node.js, RESTful APIs, Authentication, Server-Side Logic

AI & Intelligent Systems

AI API Integration, Prompt Engineering, Automation Scripts, Data Processing

API Integration & Payments

Daraja (M-PESA), PayPal APIs, OAuth/Auth Systems (Clerk), Webhooks, Secure Token Handling

Front-End Development

HTML5, CSS3, JavaScript, Tailwind CSS, Bootstrap, Responsive Design, Accessibility

Databases

PostgreSQL, MySQL, MySQLite, Database Design & Optimization

Tools & DevOps

Git, CI/CD Basics, Version Control, Deployment & Server Management

KEY ACHIEVEMENTS

Performed on-page SEO optimization for <https://dommaterdeischool.academy> [↗](#), improving site structure, visibility and search readiness.

Deployed and managed **live production systems on AWS EC2**, including server configuration, domain management and uptime maintenance. <https://teklora.co.ke/> [↗](#)

PROJECT

www.dommaterdeischool.academy

Designed and developed the **Dommaterdei School System**, a full-featured school portal with role-based dashboards for administrators, teachers and students.

Implemented multiple functionalities including user management, academic records handling and communication tools within a secure web-based platform.

Built a modern school website with intuitive UI/UX, responsive design and seamless navigation to enhance the digital experience for students, staff, and visitors.

www.teklora.co.ke

- Designed and built a full website with a focus on accessibility, responsive design and intuitive navigation.
- Created scalable UI components, established a design system and maintained consistent branding.

CERTIFICATIONS

- AI Fundamentals with IBM SkillsBuild by Cisco Networking Academy
- Data Analytics Essentials Cisco Networking Academy
- Introduction to Modern AI Cisco Networking Academy
- AWS Academy Graduate - AWS Cloud Foundations
- Python Essentials 1
- Python Essentials 2
- Introduction to Data Science
- Artificial Intelligence Fundamental

References

Dr. Ismael Kwenga, *Head of Computer Science Department*, Tharaka University
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James Mwendwa, *Head of IT Department*, Mt Kenya University Nairobi Campus
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James Kiriimi, *System Administrator*, Tharaka university
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