James Kariuki

Computer Science graduate

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PROFILE

- A determined Computer Science graduate awaiting formal graduation, I specialize in Python programming with strong expertise in the Django framework. I am also a skilled full-stack web developer, capable of building robust, dynamic and responsive web applications from the ground up. My development approach emphasizes clean code, user-centered design, component-based architecture and delivering practical solutions that make a real impact. Over the years, I've worked on various projects, including the design and development of the **telelezahub.org** ⧉ website. I am also highly adaptive to emerging technologies such as AI and machine learning. Whether creating powerful backend systems or designing intuitive front-end interfaces, I am committed to excellence and continuous growth. I look forward to taking on new challenges, collaborating with others, and contributing to innovative digital experiences. Let's connect and bring your ideas to life.

EXPERIENCE

Project Manager, *Tekeleza Hub*   02/2025 – present
                                                                       Nairobi, Kenya

I am currently serving as a Project Manager at Tekeleza Hub, a community-based organization focused on mentorship. I also designed and developed the organization's website, enhancing its online presence and supporting its mission to empower the community.

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

Mount Kenya University (MKU) is one of Kenya's top private universities, with its main campus in Thika. The institution is known for embracing digital transformation in education, with a robust ICT department that manages networking infrastructure, digital records, and academic support systems.

- Supported IT department in handling technology rollout and maintenance.
- Successfully supported a full-campus network maintenance exercise, improving connection stability across labs and offices
- Installed, modified and repaired software and hardware to resolve technical issues.

EDUCATION

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

High school, *Friends Bwake Boys*   2017 – 2021
                                                                          Kitale

Primary school, *Central Primary School*   2016
                                                                          Kitale

SKILLS

- Python
- HTML and CSS
- PHP and Laravel Framework
- Node and Nextjs
- SQL and PostgreSQL
- Django Framework
- Unix Programming

KEY ACHIVEMENTS

Team Project Manager
Led a team of 12 to complete a major project on time.

Top Programming Score
Achieved 95% on final programming course project, the highest score in class.

Cisco Academy Excellence
Completed 3 courses with 100% accuracy on Cisco Networking Academy.

PROJECT

AI powered waste management platform
Designed and developed an AI-driven waste management platform that allows users to report waste by uploading images. The system utilizes Convolutional Neural Networks (CNN) to automatically segregate waste types. Reporters and collectors are incentivized through a point-based reward system, encouraging active participation in waste tracking, segregation, and collection for a cleaner, smarter environment.

CERTIFICATIONS

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

References

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