

John Leshan Kool

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profile: <https://github.com/johnleshan>

Career Objective

Dedicated final year computer science student with hands-on experience in full-stack web development, automation, and problem-solving. Proficient in Python, JavaScript, and PHP, with certifications in UiPath Studio for robotic process automation (RPA). Seeking to contribute technical expertise and innovation to a dynamic organization while advancing professional growth.

Education

Bachelor of Science in Computer Science

Maasai Mara University, Kenya | *Expected Graduation: 2025*

- **Relevant Coursework:** Data Structures, Algorithms, Software Engineering Principles, Object-Oriented Programming
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Work Experience

ICT Attachee

Narok County Referral Hospital | *June 2024 – August 2024*

- Maintained hospital computer systems and network infrastructure, reducing downtime by **30%** through proactive troubleshooting.
- Deployed and optimized the Hospital Management Information System (HMIS), improving patient data management efficiency by **25%**.
- Transitioned manual patient records to secure digital systems, ensuring compliance with confidentiality protocols.
- Enhanced cybersecurity measures to protect sensitive health data from potential threats.
- Upgraded network connectivity, increasing data transfer speeds by **40%** across departments.

- Collaborated with ICT teams to deliver technical support and system administration in a healthcare setting.
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Projects

E-Commerce Platform for Local Retailers

Tech Stack: PHP, MySQL, HTML/CSS

- Developed a secure online marketplace enabling seamless buyer-seller transactions, featuring a payment gateway and personalized recommendation engine.
- Optimized UI/UX for cross-device compatibility, boosting user engagement by **35%**.
- Led a 5-member team, contributing to a local clothing store's **20% revenue growth** through online sales.

Student Learning Management System (LMS)

Tech Stack: PHP, MySQL, JavaScript

- Built an interactive platform for students to chat, share files, and receive real-time updates from teachers.
- Streamlined communication between staff and students, improving assignment submission rates by **25%**.

Plagiarism Checker Tool

Tech Stack: Python, CustomTkinter, Scikit-learn

- Designed a GUI-based application to detect academic dishonesty in assignments/exams, leveraging machine learning for accuracy.
- Targeted at educators seeking efficient tools for academic integrity enforcement.

Building Block Game

Tech Stack: HTML, CSS, JavaScript

- Created an interactive game with dynamic animations and responsive design for enhanced user engagement.
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Technical Skills

- **Programming Languages:** Python, JavaScript, PHP, Java, C/C++, Kotlin

- **Web Development:** HTML5, CSS3, React.js (Basic), Bootstrap (Intermediate), Django, Flask
 - **Backend Tools:** Node.js, Express.js, MySQL
 - **Tools & Platforms:** Visual Studio Code, Android Studio, Git/GitHub, Anaconda, UiPath Studio
 - **Methodologies:** Agile, MVC Architecture, Object-Oriented Design
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Certifications

- **Artificial Intelligence** | FutureLearn | [Credential](#)
 - **User Experience (UX) Design** | FutureLearn | [Credential](#)
 - **UiPath Studio: User Interface (UI) Automation with Modern Design** | 22/03/2025
 - **UiPath Studio: Explore Automation Development** | 04/03/2025
 - **UiPath Studio: Excel Automation with the Modern Experience** | 15/03/2025
 - **UiPath Studio: Variables, Constants, and Arguments** | 15/03/2025
 - **UiPath Studio: Control Flow** | 15/03/2025
 - **UiPath Studio: Build Your First Automation Process** | 10/03/2025
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Achievements & Leadership

- Led a university team to develop an award-winning e-commerce platform for a local business.
 - Volunteer mentor for aspiring programmers in the Narok community.
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Languages

- **English:** Fluent
- **Swahili:** Fluent

Referees

Dr. Joash Bii

Maasai Mara University Senior Lecturer, Computing and Information Science Department

0721584445

Dr. Joshua Okemwa

Maasai Mara University Senior Lecturer, Computing and Information Science Department

0791908890