

Danson Waithaka Githuka

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Professional Summary

A passionate and innovative Mathematics and Computer Science student at Maseno University with a strong foundation in problem-solving, software development, and technology-driven solutions. Enthusiastic about coding, research, and innovation, with a track record of winning hackathons and developing impactful projects such as Edyfra and EXAECHO.

Education

Maseno University (2024 - Present)

- Bachelor of Science in Mathematics and Computer Science

William Ng'iru Gitau High School (2019 - 2023)

- Completed Secondary Education

Kiaibabu Primary School (2011 - 2018)

Work Experience

Mathematics & Chemistry Tutor - William Ng'iru Gitau High School (2023 - 2024)

- Provided personalized tutoring for students to improve their understanding of Mathematics and Chemistry.
- Designed lesson plans and interactive learning activities to enhance student engagement.

Projects

Edyfra

- An AI-powered system that matches students with peer learners based on academic performance.

EXAECHO

- A platform that allows students to upload past papers and generate similar questions for practice.

Skills

- Programming: HTML, CSS, Vue.js, React, Pascal
- Problem Solving & Algorithmic Thinking
- Web Development
- Research & Innovation
- Team Collaboration

Achievements & Awards

- Winner, MUCISA Hackathon - Maseno University (2025)
- Winner, Western Region Research and Innovations Consortium Multidisciplinary Hackathon (2025)

Hobbies & Interests

- Coding and exploring new technologies
- Reading tech journals and books
- Hiking and outdoor activities