Dan Fabian Kalabwe

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EDUCATION

University of Dodoma (UDOM), Dodoma   Expected Graduation: November 2028

Bachelor of Science in Software Engineering

- Relevant Coursework: Communication Skills, Development Perspectives, Principles of Programming Language, Mathematics Foundations of Information Security, Introduction to Information Technology, Discrete Mathematics, Calculus, Linear Algebra and Application.
- Developed written communication skills in both English and Kiswahili through Communication Skills and Development Perspectives courses, enabling clear and effective storytelling. Gained proficiency in structured thinking and attention to detail through foundational courses in Mathematics, preparing me to evaluate AI-generated response critically and accurately.

St. Peter Claver High School, Dodoma

Advanced Studies in Physics, Mathematics & Computer Science (PMC)   June 2022 – May 2024

- Developed strong analytical and problem-solving skills through advanced studies in Mathematics, fostering critical thinking and precision. Gained a deep understanding of fundamental principles in Physics, enhancing my ability to apply scientific concepts to real-world challenges. Built a solid foundation in computational logic and programming through Computer Science, equipping me with the ability to approach problems systematically and leverage technology for innovative solutions

Anderlek Ridges Secondary School, Shinyanga

Completed the Certificate of Secondary Education Examination (CSEE)   January 2018 – November 2021

- Studied Kiswahili and English extensively, including the history of the Kiswahili language, literature, and composition, which honed my skills in creative writing, linguistic analysis, and effective communication. Complemented this with rigorous studies in Mathematics, Chemistry, Physics, and Biology, developing analytical thinking, problem-solving abilities, and a scientific approach to evaluating information critically.

RELEVANT EXPERIENCE

Undergraduate Researcher   August 2024 – Present

At The University Of Dodoma

- Gained foundational knowledge of Agile and Waterfall methodologies and proficiency in Java and C++ for problem-solving and logical structuring.
- Gained introductory knowledge of AI, learned to evaluate algorithms and outputs, which is also applicable in evaluating generated Kiswahili text for accuracy and cultural relevance.
- Developed efficient problem-solving strategies, critical for analyzing AI-generated Kiswahili text responses.
- Enhanced Kiswahili proficiency through studies in literature, composition, and cultural history, enabling accurate and context-aware writing.

SKILLS

Technical: Web Development, Microsoft Office, Data Entry, C++, Java, Python and Data Analytics.

Language: Native Kiswahili speaker and proficient in English.

Other Skills;

- Strong communication skills, with the ability to explain complex concepts in a simple manner.
- Familiarity with technology and AI concepts, with keen interest in language processing.
- Attention to Detail.
- Problem Solving.
- Writing and Editing.
- Flexibility in Task Management.