

Kelvin Augustino Mwashiga

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Career Objective

Motivated and detail-oriented software developer with a strong foundation in computer science and a passion for building innovative, user-centric digital solutions. Skilled in programming, web development, and problem-solving, with a commitment to continuous learning and delivering high-quality applications that meet user needs.

Education

Bachelor of Science in Computer Science

University of Dar es Salaam | Expected Graduation: November 2025

Relevant Coursework: Data Structures, Algorithms, Artificial Intelligence, Web Development, Database Systems, Data Mining, Software Engineering, Mobile Applications Development & Principles of System Security.

Advanced Level Education

St. Augustine Tagaste Secondary School | 2020-2022

Subjects: Physics, Chemistry, Mathematics (PCM)

Ordinary Level Education

Centennial Christian Seminary | 2016-2019

Division I, Certificate of Secondary Education Examination (CSEE)

Primary School Education

Rocken Hill Primary School | 2009-2015

Primary School Leaving Examination (PSLE)

Skills

- **Programming Languages:** Python, JavaScript & Java
- **Web Development:** HTML, CSS, Vue.js, Django, Flask, Express JS, Laravel
- **Tools & Technologies:** Git, Docker, MySQL, REST APIs
- **Soft Skills:** Teamwork, Problem-Solving, Communication, Time Management
- **Microsoft Tools:** Word, Excel, PowerPoint, Outlook

Work Experience

Software Development Practical Training

President's Office - Regional Administration & Local Government Authorities (PO - RALG) | July 2023 - September 2023

- Developed and maintained web applications using Laravel
- Collaborated with a team of trainees to develop a practical training management system
- Conducted code reviews and debugging, reducing application errors
- Conducted routine computer hardware and software maintenance

Web Development Practical Training

University of Dar es Salaam ICT Innovation Hub (UDICTI-FINHUB) | July 2024 - September 2024

- Designed and developed responsive websites for CRDB Bank Innovation Challenge of "Banking for Unbanked" using Vue JS
- Trained on Human - Centric Design.

Projects

Red Light Violation System

University Final Year Project, 2025

- Used Python Programming Language and packages such as NumPy and cv for coding and training a YOLO model to detect red light signal on traffic lights and license plates of detecting vehicles
- Used paddle OCR for Optical Character Recognition so as to read the violating plates
- Implemented MySQL database for data storage and extracting details for reporting
- Used SMS gateway to send texts containing violation details and control number for payments to violators

Personal Portfolio Website

Personal Project, 2023

- Built a responsive portfolio website using HTML, CSS, and JavaScript to showcase projects and skills.
- Outcome: Increased professional visibility, receiving positive feedback from potential employers.

Certifications

- Coursiv certification on in-depth training and skill development in using AI tools such as ChatGPT, Jasper AI and Midjourney

Language Proficiency

- English: Fluent
- Kiswahili: Native and Fluent

Hobbies & Interests

- Contributing to open-source projects on GitHub
- Exploring new programming frameworks, updates and technologies

References

Available upon request.