CV– PERSONAL DETAILS

- Full name: THANI KHAMIS THANI

- Phone Number: +255 625 879 175

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- Zanzibar, Tanzania.

- Nationality: Tanzanian.

PROFESSIONAL SUMMARY

A dedicated and passionate Software Engineering graduate with a strong academic foundation and practical experience gained through industrial training. Proficient in modern software development, web frameworks, cloud hosting on AWS, Artificial Intelligence and Machine Learning. Eager to apply skills in software design, coding, testing, and deployment to contribute to real-world projects in a collaborative team environment.

KEY SKILLS

- Programming & Scripting: Java, Advanced Java, Python, JavaScript, C#, SQL

- Web Development: HTML, CSS, JavaScript (including Web Frameworks)

- Systems & Databases: Linux/Unix Systems, System Administration, Database Management Systems, Distributed Database Systems

- Cloud & Platforms: AWS (EC2)

- Software Engineering & QA: System Analysis and Design, Object-Oriented Programming, Software Testing & Quality Assurance, ICT Project Management

- Artificial Intelligence & Data Science: AI & Machine Learning Fundamentals, Data Mining and Warehousing.

- Other Technologies: Mobile App Development.

EDUCATION

Bachelor of Science in Software Engineering (BSc SE) | Nov 2021 – Jul 2025
University of Dodoma (UDOM), Dodoma, Tanzania.

- Relevant coursework: *Advanced Java Programming, Python Programming, Web Framework Development Using JavaScript, Distributed Database Systems, Data Mining, Mobile Applications Development, Cloud Computing, Artificial Intelligence, Software Engineering Project I & II.*

Advanced Certificate of Secondary Education | Jun 2019 – May 2021
Lumumba Secondary School, Zanzibar

Certificate of Secondary Education | Jan 2015 – Nov 2018
Lumumba Secondary School, Zanzibar

Primary Education | 2014
Chumbuni Primary School, Zanzibar Graduated: 2014

ADDITIONAL INFORMATION

Languages

- Kiswahili (Native)
- English (Fluent)
- Arabic (Beginner)

ACADEMIC PROJECTS

Final Year Project (FYP) – Software Engineering Project I & II | University of Dodoma

Dealing the development of an intelligent AI-powered system designed to help students efficiently access, understand, and interact with the University of Dodoma's regulations and policies.

The solution integrates Retrieval-Augmented Generation (RAG) with a fine-tuned LLaMA 3 generative AI model trained directly on UDOM's official rules, regulations, and policies. This enables the system to deliver accurate, grounded, and context-aware responses to student queries without requiring admins to manually upload institutional documents.

The project involves:

- Designing and implementing a secure, scalable full-stack system that supports two user roles: Admin and Student.
- Building a complete RAG pipeline using embedding, vector search, and document retrieval to provide evidence-based answers.
- Fine-tuning a LLaMA 3 model using curated datasets of UDOM regulations to achieve high-accuracy, domain-specific generation.
- Developing an intuitive and responsive web platform where students can instantly search for academic rules, procedures, and policies.
- Applying agile methodologies, including iterative development, sprint-based planning, and continuous testing to ensure system quality and reliability.

A full technical report and system demonstration will be available upon project completion in July 2025.

Work Experience

Software Engineering Intern | EGAZ-Zanzibar | June 2024 – July 2024

- Played a key role in the end-to-end development lifecycle of a real-world application, contributing to design, coding, and testing phases.
- Collaborated effectively within an agile team, enhancing software functionality based on feedback and ensuring project milestones were met.

Software Engineering Intern | EGAZ-Zanzibar | June 2023 – July 2023

- Assisted in the development and testing of software components, applying core programming principles to fix bugs and implement new features.
- Gained foundational understanding of professional software development workflows and version control practices.

Remote Software Developer | Forster-Investment-ltd | Aug 2025 – Nov 2025

- Designed and developed a full-stack waste management system for Forster Investment to digitalize and streamline core business operations. The system manages the entire workflow of a waste collection company, including client management, waste service tracking, billing, staff salary management, and financial reporting.

Referee

1. Name: Mr Haji *Egaz*

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2. Name: Mr Adil *Egaz*

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