



Technical University of Mombasa

ACADEMIC STAFF CURRICULUM VITAE

Mr. Ananda Douglas

ICT Officer II

1. PERSONAL AND PROFESSIONAL DETAILS

Full Name	Mr. Ananda Douglas
Academic Rank	ICT Officer II
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2. PROFESSIONAL PROFILE

ICT Officer at the Technical University of Mombasa, leading the design and delivery of the University's web platforms, staff intranet and integrated information systems. Experienced in full-stack development, cloud and container infrastructure, and information security, with a focus on reliable, accessible digital services for students and staff.

Teaches practical web development and database units, mentors student developers on attachment, and contributes to research on digital transformation in higher education. Has led the migration of the University website to a unified content platform serving every school, institute and campus.

3. ACADEMIC QUALIFICATIONS

Year	Qualification	Specialization	Institution
2022	MSc	Information Technology	Technical University of Mombasa
2018	BSc	Information Technology	Technical University of Mombasa
2014	Diploma	Information Technology	Technical University of Mombasa

4. CURRENT POSITION AND RESPONSIBILITIES

Current Position: ICT Officer II

Key Responsibilities:

- Drive the strategic development and continuous enhancement of the University's core digital platforms, encompassing the official website, Content Management System (CMS), and internal staff intranet.

- Administer and maintain critical IT infrastructure, including servers, containerized environments, and comprehensive backup solutions, while rigorously upholding the University's web security standards.
- Provide comprehensive support and guidance to schools and institutes, empowering them to effectively publish and manage their digital content.
- Mentor, train, and supervise student developers engaged in industrial attachment programs, fostering their professional development and practical skill acquisition.

5. TEACHING & RESEARCH EXPERTISE

Teaching Areas: Web application development; database systems; computer networks; information security fundamentals.

Research Interests: Digital transformation in higher education; web accessibility and performance; secure software engineering; open-source platforms for public institutions.

Research Projects/Programmes:

- Unified University web platform — one CMS for the main site and every school, institute and campus sub-site (2025–present)
- Staff intranet with document sharing and self-service profiles (2026)

Research Collaborations: Schools and institutes of the University; Directorate of ICT; regional universities sharing open-source web tools.

6. PUBLICATIONS AND SCHOLARLY OUTPUTS

Peer-reviewed Journal Articles:

1. Douglas, A. (2025). *Sample: Measuring web accessibility in Kenyan university websites*. Journal of Information Systems in Africa, 4(2), 45–61. <https://doi.org/10.5555/sample-001>
2. Douglas, A. & Otieno, J. (2024). *Sample: Container-based deployment for small university IT teams*. East African Journal of Computing, 7(1), 12–29. <https://doi.org/10.5555/sample-002>

Conference Papers/Proceedings:

- Douglas, A. (2025). *Sample: One platform, many sites — consolidating a university web estate*. TUM Annual Research Week, Mombasa.
- Douglas, A. (2024). *Sample: Lighthouse-driven performance work on public-sector websites*. Kenya ICT Practitioners Forum, Nairobi.

Patents/Innovations/Other Outputs:

- TUM staff intranet and CV builder — in-house software (2026)

7. POSTGRADUATE SUPERVISION AND MENTORING

Master's: 1 ongoing.

8. GRANTS, PROJECTS AND RESOURCE MOBILISATION

Project	Role	Funder	Year
Sample: Digital skills for coastal youth	Technical lead	National Research Fund	2025
Sample: Open-source web toolkit for TVET institutions	Co-investigator	TVET Authority	2024

9. PROFESSIONAL & LEADERSHIP EXPERIENCE

- ICT Officer II, Technical University of Mombasa (present)
- Lead developer, University website and intranet project (2025-present)
- Coordinator, student developer attachment programme (2023-present)

10. AWARDS, MEMBERSHIPS & PROFESSIONAL CONTRIBUTIONS

- Member, Computer Society of Kenya
- Reviewer, TUM Annual Research Week (2025)
- Sample: Best innovation in service delivery, TUM staff awards (2025)

11. KEY ACHIEVEMENTS / IMPACT

- Raised the University website to 100 in Lighthouse accessibility, SEO and best practice across all sites.
- Brought every school, institute and campus onto one content platform, cutting publishing time for unit editors.
- Built the staff intranet's document sharing and this CV builder.