CURRICULUM VITAE
WORLD BANK FORMAT

OMAR, AKRAM ALI, (Msc In Internet of Things and Embedded Computing Systems)

A.   PERSONAL INFORMATION

Proposed Position: Internet of Things and Artificial Intelligence Specialist

Name of the Firm: State University of Zanzibar,
                           Office of the Deputy Vice Chancellor, Academic, Research
             and   Consultancy; P.O.Box 146, 192 Tunguu Road,
                           72214 Central Zanzibar.

Full Name: OMAR, AKRAM ALI

Profession: COMPUTER   SCIENTIST   AND   ASSISTANT
             LECTURER

Date of Birth: 08 AUGUST 1987

Nationality: TANZANIAN

Key Addresses   Mobile Number: 0778-695626
                           E-mail : omar.akram@suza.ac.tz

B.   KEY QUALIFICATIONS

AKRAM ALI OMAR, Assistant Lecturer at the State University of Zanzibar (SUZA), with extensive experience in teaching, research, and project coordination in Computer Science, Internet of Things (IoT), and Artificial Intelligence (AI). He holds an MSc. in Internet of Things and Embedded Computing Systems from the University of Rwanda (2022) and a BSc. in Computer Science from the University of Dar es Salaam (2013). His academic and research interests include AI-driven healthcare systems, smart embedded devices, machine learning, and IoT-based applications for sustainable development.

Akram is currently working on a Smart Poultry Farming Project, developing IoT-based intelligent systems for disease prediction and farm automation. He also possesses specialized skills in Intellectual Property (IP) commercialization and patent drafting, supporting innovation and technology transfer initiatives within academia and industry.

He has practical experience in developing intelligent systems, facilitating innovation programs, and mentoring students in research and technology projects. He possesses

strong technical and analytical skills in IoT, embedded systems, and applied AI for social impact solutions.

C. EDUCATIONAL BACKGROUND

D. Duration	School/College	Award
2021-2022	University of Rwanda	MSc. in Internet of Things and Embedded Computing Systems
2010-2013	University of Dar es Salaam	B.Sc. in Computer Science
2008-2010	Sunni Madressa School	Advanced Certificate of Secondary Education Examination
2003-2007	Wawi Secondary School	Certificate of Secondary Education Examination
1996-2002	Michakaini Primary School	Certificate of Primary Education

D. EMPLOYMENT RECORD

Job Description	Duration	Employing Organization
Assistant Lecturer – Delivered lectures and tutorials on Computer Science and IoT subjects to undergraduate students. Coordinated final year projects, guiding students through development and presentation processes.	2023 – Present	The State University of Zanzibar (SUZA)
Tutorial Assistant – Assisted in teaching various Computer Science courses. Conducted lab sessions, supported student projects and assignments, and organized departmental events and workshops.	2014 – 2022	The State University of Zanzibar (SUZA)
ICT Teacher – Taught computer subjects for primary level students.	Sept 2013 – July 2014	FEZA English Medium Nursery and Primary School, Zanzibar

E.   Management Positions, Consultant Services and Extra Curricular Activities

Institution	Position / Status	Period
The State University of Zanzibar (SUZA)	**Coordinator for Final Year Projects** – Responsible for supervising and managing undergraduate and diploma final-year project processes.	2020 – Present
SUZA Digital Innovation Hub (DIH)	**Trainer and Facilitator** – Led the HUBiquitous Accelerator and Talent Programs, mentoring youth and startups on IoT and AI-based solutions.	2022 – 2023
National Council for Technical and Vocational Education and Training (NACTVET)	**Chairperson, Institutional Assessment Verification Team** – Led a verification team responsible for assessing institutional compliance with NACTVET quality assurance standards.	2025
Karume Institute of Science and Technology (KIST) & AP Hogeschool Antwerpen (Belgium)	**Collaborator** – Participated in IoT project development for real-time environmental and marine data collection in Zanzibar.	2022
SUZA & ZADIA	**Workshop Facilitator** – Supported computational thinking and video game development workshops to enhance students' innovation and creativity.	2021
IEEE PES/IAS PowerAfrica Conference	**Volunteer and Session Support** – Assisted in coordinating technical sessions and participated in panel discussions during the international conference.	Aug-22
HUBiquitous Talent Program	**Program Facilitator** – Provided mentorship and technical guidance to students in embedded systems and AI application development.	2022
The State University of Zanzibar (SUZA)	**Facilitator, eLearning Moodle Training** – Conducted practical sessions to build staff capacity in online course delivery and digital pedagogy.	2025
The State University of Zanzibar (SUZA)	**Facilitator, Enterprising Teaching Methods Training** – Delivered sessions promoting innovative and entrepreneurial teaching practices among academic staff.	2025

ZATOBI – SUZA	**Mentor, Entrepreneurship Program** – Guided students in developing business models and innovation strategies during the entrepreneurship training program.	2025

F.   LANGUAGES *(1=Excellent 2=Good 3=fair 4=Poor)*

	Speaking	Reading	Writing
English	3	3	3
Kiswahili	1	1	1

G.   RELEVANT CONSULTANT EXPERIENCES

H.   RELEVANT RESEARCH REPORTS, PAPERS, BOOKS AND PUBLICATIONS

The following is a sample of relevant publications done, for the past 4 Years.

1   Omar, A. A., Maginga, T. J., Rutunda, S., Nzanywayingoma, F., & Nsenga, J. (2023). Developing an IoT-Based Conversational AI Recommender Assistant for Vital Sign Predicted Anomalies. In Proceedings of the 2023 8th International Conference on Machine Learning Technologies (ICMLT 2023), Stockholm, Sweden, March 10–12, 2023.

I.   CERTIFICATION

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.

Omar, Akram Ali

Date: Friday , November 07, 2025