

CURRICULUM VITAE

PERSONAL PARTICULARS

Name: Monica Abishua Chemagu
Date of Birth: 15th April, 2002
Current residence: Dar es Salaam
Nationality: Tanzanian
Marital Status: Single
Gender: Female
Age: 23 Years
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ACADEMIC BACKGROUND

YEAR	NAME OF INSTITUTE	AWARD/LEVEL
2022– 2025	Ardhi University (ARU)	Bachelor of Science in Information Systems Management
2020 – 2022	Loleza Girls High School	Advanced Certificate of Secondary Education Examination(ACSEE)
2016 – 2019	Mazinge Secondary School	Certificate Of Secondary Education Examination (CSEE)
2008 – 2015	Bugoyi B Primary School	Certificate in Primary Education

WORKING EXPERIENCE

August – October 2023 Cisco's Data Entry Assistant(Intern)at VODACOM-KIGOMA

Duties and responsibilities

- Entered and updated transaction and service records into Cisco's internal data management system.
- Ensured accuracy of transaction details by cross-checking with source documents.
- Maintained organized digital records for easy retrieval and reporting.
- Supported administrative functions by processing routine data tasks within deadlines.
- Gained hands-on experience using Cisco's enterprise software for business operations

July – October 2024 Database Administrator(Intern)

Duties and responsibilities

- Performed basic database administration tasks using PostgreSQL (psql), including creating databases, defining tables, inserting and updating records, and managing constraints.
- Supported database backup and simple restoration tasks to ensure data availability and reliability.
- Wrote and executed SQL queries to extract and analyze land-related data for internal reports.
- Worked collaboratively with the IT and GIS departments to understand integration of spatial data with relational databases.
- Contributed to the Software Requirements Specification (SRS) for an Urban Development Modelling Tool(Application).
- Participated in the front-end development of the tool by designing user interfaces and mapping components that supported urban planning workflows.

March – July 2025 Developer & System Architect (ARDHI UNIVERSITY)

Duties and responsibilities

- Developed an offline mobile application that helps farmers assess the health of maize crops using sensor data.
- Integrated Arduino-based sensors (light, humidity, soil moisture) to monitor environmental conditions affecting maize.
- Built an Android app in Java to receive sensor data via Bluetooth and provide diagnostic results based on pre-defined rules.
- Implemented a local Node.js API connected to a PostgreSQL database storing diagnosis logic and farming recommendations.
- Delivered instant, offline feedback to farmers in an easy-to-use interface, with multilingual support for rural communities.
- Focused on practical use cases such as identifying symptoms of Maize plants

TECHNICAL SKILLS

Programming &Development

- Java (Android App Development)
- HTML & CSS (Front-end Development)

Database Management

- PostgreSQL
- MySQL
- SQL (Data Querying &Table Management)
- Basic Database Administration Tasks (Backup, Restore, Constraints)

Tools & Platforms

- Android Studio
- Visual Studio Code
- PostgreSQL GUI Tools like pgAdmin

Documentation &Analysis

- Software Requirements Specification(SRS)
- Data Entry &Record Management
- Report Writing

SOFT SKILLS

- Good communication skills
- Ability to learn quickly
- Critical thinking and innovative
- Problem solving
- Ability to work under pressure
- Soft skills: Teamwork, presentation and research

LANGUAGES

English: Fluent

Swahili: Fluent

INTERESTS

- Charity
- Exploring new knowledge
- Leader

REFEREES

Name; Mr. Joel Makunja

Position; Database Administrator

Institution; e-Government Authority

P.O.Box 4273, Dar es salaam

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Name; Mr. Deusdedit Mwolongo

Position; Lecture(Supervisor)

Institution; Ardhi University

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DECLARATION

I, hereby certify that the information contained in this document is correct in its content and context to the best of my knowledge and I am ready to justify it at any time when it deems necessary.

M.A.Chemagu

signature

Date 16th July 2025