

FRIDA MWASARU

CONTACT

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PROFILE SUMMARY

Detail-oriented Information Technology student with a strong foundation in software development, system security, and AI. Experienced in e-commerce platforms, ICT project management, and management information systems. Skilled in Object-Oriented Programming, Distributed Systems, and Software Engineering. Actively contributes to open-source projects on GitHub, focusing on data structures and scalable system design. Passionate about problem-solving and creating impactful, data-driven digital solutions.

EDUCATION

2021 - Expected graduation 2025

MURANG'A UNIVERSITY OF TECHNOLOGY

- Bachelor of Science in Information Technology

2020 - 2016

BAHARI GIRLS HIGHSCHOOL

- KCSE CERTIFICATE

WORK EXPERIENCE

NHIF (National Hospital Insurance Fund) 2024

IT Attachment

- Assisted in managing IT systems and troubleshooting network-related issues.
- Gained hands-on experience in database management and cybersecurity best practices.
- Supported software updates and user training on new systems.

PROJECTS

1) AutoTempoHire – AI-Powered Driver Hiring System

- Developed a Django-based online driver hiring platform with PostgreSQL.
- Implemented K-Means clustering for AI-driven driver matching based on user preferences.
- Integrated Safaricom M-Pesa API for secure online payments.
- Built a content-based recommendation system for personalized driver suggestions.

2) Wuda's Bakery – Mobile Application

- Designed and developed a mobile app to streamline online orders for a bakery business.
- Integrated a database for managing the product catalog and customer orders.
- Used React Native for cross-platform mobile development (Android).

3) Moving Pamoja – Household Moving Services Website. A user-friendly website for "Moving Pamoja," a company offering household moving services. The platform enables customers to:

Register and submit personal information through a secure form.

Explore detailed service offerings focused on the safe and efficient delivery, maintenance, and transportation of household items.

View pricing details and make payments using Mpesa, PayPal, or Western Union.

Read and submit reviews and ratings to provide feedback on service quality.

Navigate easily across devices including Android, laptops, and desktops.

The project highlights a strong focus on accessibility, customer engagement, and trust-building through client interactions and service transparency.

TECHNICAL SKILLS

Programming & Software Development

- Object-Oriented Programming (Java, C++)
- Web Development (HTML, CSS, JavaScript)
- Mobile Application Development (React Native – basic)
- Client-Server Systems & Architecture
- Artificial Intelligence Concepts & Applications
- Software Engineering Principles
- Distributed Systems

Database & Data Management

- Database Management Systems (DBMS)
- Database Management Systems (SQL basics)
- Programming & Database Integration
- Data Structures & Algorithms
- Decision Support Systems

Web & E-Commerce Technologies

- Web Application Development
- Internet Technology & Web Design
- E-Commerce Platforms & Digital Business Solutions
- Content Management Systems (basic knowledge)

Mathematics & Analytical Tools

- Probability & Statistics (I & II)
- Basic Calculus & Mathematical Reasoning
- Data Interpretation & Problem-Solving

Networking & IT Infrastructure

- Computer Network Fundamentals
- Network Design & Management
- Operating Systems
- Computer Network Practicum

Business & Information Systems

- Management Information Systems (MIS)
- ICT Project Management
- Accounting Information Systems
- System Analysis & Design

CERTIFICATIONS

- Introduction to Cisco Cybersecurity
- Introduction to Cisco Data Science
- Huawei HCIA Certification

LANGUAGES

- English: Fluent
- Swahili: Fluent

SOFT SKILLS

- Problem-Solving & Critical Thinking
- Team Collaboration
- Adaptability & Continuous Learning
- Analytical thinking
- Technical writing
- Project coordination
- Team collaboration
- Effective Communication