

FREDRICK MICKDAD MWADIME

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PROFESSIONAL PROFILE

Creative, analytical, and self-motivated third-year Computer Science student at the University of Nairobi, with a passion for building impactful digital solutions. Strong foundation in software engineering, machine learning, web development, and data analysis. Adept at building end-to-end systems, from backend logic to frontend interfaces, and integrating Python-based models with real-time dashboards.

Recognized for innovative thinking, teamwork, and a hands-on approach to learning. Always eager to learn new technologies and solve problems that create meaningful user experiences. Actively looking for internship, freelance, or part-time roles where I can contribute to real-world software and data projects.

EDUCATION BACKGROUND

Bachelor of Science in Computer Science

University of Nairobi – 2022 – Present

- In-depth study of algorithms, databases, artificial intelligence, and systems programming.
- Gained practical experience in full-stack web development, model training, REST API design, and data visualization.
- Currently working on AI-integrated dashboard systems and real-time data tools.

Kenya Certificate of Secondary Education (KCSE)

Kenyatta High School – Taita – 2018 – 2021

- Grade: A– (77 Points)
- Leadership roles in school clubs and active participation in sports and student events.
- Emphasized science and computer studies, laying the groundwork for my future in tech.

Kenya Certificate of Primary Education (KCPE)

Springs Preparatory School – 2009 – 2017

- Score: 413 Marks (Grade A)
- Awarded for top performance and discipline.

CORE TECHNICAL SKILLS

Programming Languages:

- Python (Flask, Streamlit, pandas, NumPy, scikit-learn)
- JavaScript, HTML5, CSS3
- SQL, PHP (basic)

Frameworks & Libraries:

- React, Bootstrap, Tailwind CSS
- Streamlit for ML dashboard integration
- Flask for lightweight Python web APIs
- WAMP for local server development
- Excel Macros for task automation

Tools & Technologies:

- Git & GitHub, VS Code, Chrome DevTools
- MySQL, phpMyAdmin, Postman
- Data Visualization: Matplotlib, Seaborn, Plotly
- Design: Figma (basic prototyping), Canva (presentation assets)

Soft Skills & Strengths:

- Creative problem solver
- Quick learner and adaptable
- Excellent communication and collaboration skills
- Strong leadership and teamwork ethics
- Detail-oriented and structured in approach
- Comfortable in fast-paced and agile environments

PROJECTS & PERSONAL INITIATIVES

Credit Scoring and Financial Data System (CCFDS)

- Tools Used: Python, pandas, scikit-learn, Streamlit
- Built a trained machine learning model to assess creditworthiness based on borrower data.
- Integrated a user-friendly dashboard with Streamlit that visualizes credit scores, trends, and other insights for decision-makers.
- Designed for potential integration into a mobile financial lending app.
- Repository: GitHub – FreddyMickdad

Fast Target Insurance Agency Website

- Stack: HTML, CSS, JavaScript, React, Bootstrap, WAMP Server
- Developed a responsive and professional website for an insurance intermediary agency.
- Structured pages for services offered, contact & location, partners, awards, and a leisure blog.
- Aligned with deployment strategies for web hosting (Sasa Host planned).

- Conducted stakeholder feedback sessions and coordinated with the IT team for continuous improvements.

INTERNSHIP EXPERIENCE

Fast Target Insurance Agency – Web Development Intern

July 2024 – August 2024 (On-site)

- Spearheaded the development of a corporate website that represents the agency's digital footprint.
- Applied principles of responsive design and client-centered layout structuring.
- Engaged in live feedback meetings with the General Manager and IT Department to refine content flow and system usability.
- Drafted deployment plans with domain providers and discussed hosting viability due to limited internal server capacity.
- Assisted in customer engagement and discussions about advertising policies in the digital space.

LEADERSHIP & EXTRA-CURRICULAR ACTIVITIES

- Football: Competitive player, team leader in school and local leagues
- Dance & Faith-Based Activities: Active member of St. Paul's Dance Group, performing in church and community events
- Hobbies: Passionate about music, often mixing tech creativity with musical interests
- Swimming: Recreational swimmer and team-oriented enthusiast
- Charity Work: Participated in outreach programs, including visits to children's homes and mentorship sessions