



FIND ME ONLINE

in <https://www.linkedin.com/in/sandra-mbithi-032291291>
Sandra Mbithi

PROFESSIONAL COMPETENCIES

Analytical Thinking ·
Innovation & Creativity ·
Technical Documentation ·
Research & Analysis ·
Project Planning & Execution ·
Leadership · Strategic Problem Solving

TECHNICAL SKILLS

- Programming Languages**
Java, PHP, Python, HTML, CSS, Assembly
- Advanced Database Management**
stored routines, query optimization, views, and functions
- Web Development**
XAMPP, VS Code, Git, GitHub, Responsive Design
- Data Analysis & Visualization**
Python, statistical modeling
- AI Fundamentals**
Machine learning concepts, data processing
- Development Tools**
Docker, Git Bash, launch.json, Visual Studio Code
- Network Configuration & Security**
(Routing Protocols)
- Productivity Tools**
Microsoft Office Suite (Word, Excel, PowerPoint, Access)

LANGUAGES

English Proficient ●●●●●
Swahili Proficient ●●●●●

SANDRA MBITHI

Business Information Technology Student

+254758561281 @ mbithisandra83@gmail.com Nairobi, Kenya

SUMMARY

As a motivated and forward-thinking Business Information Technology student at Strathmore University, I have built a solid foundation in programming, web development, and database management, complemented by hands-on experience in AI and data processing through the **FLOW Undergraduate Engineering Summer School** in France (2025). Recognized twice on the Dean's List for academic excellence, I thrive on transforming ideas into digital solutions using technologies such as Java, PHP, Python, and MySQL. My projects and volunteer initiatives have strengthened my leadership, problem-solving, and teamwork abilities, reflecting a balance of technical proficiency and interpersonal effectiveness. I am passionate about applying technology to create practical, impactful solutions in web development, data analytics, and cybersecurity, while continuously expanding my global and professional perspective.

EDUCATION

- Bachelor of Business Information Technology** 2023 - Present
Strathmore Business Nairobi, Kenya
 - Maintained a **First-Class Standing (Average Grade A)** and received the **Dean's List Award (twice)** for academic excellence.
 - Attended the **FLOW Undergraduate Engineering Summer School, Polytech Montpellier, France** (May 19 – June 13, 2025), hosted in collaboration with Strathmore University.
 - Participated in hands-on projects and collaborated with an international cohort, gaining exposure to **data analysis, AI applications, and cross-cultural teamwork.**
- Certificate in Cybersecurity (ISC2)** 2023
Moringa School Nairobi, Kenya

EXPERIENCE

- Vehicle Rental Management System**
Individual OOP Assignment - Python
 - Developed a comprehensive rental system applying core Object-Oriented Programming (OOP) principles, including inheritance, classes, and method reuse
 - Focused on producing clean, maintainable code while addressing real-world business challenges
- Advanced Database Project**
Safaricom Network Management System
 - Conducted an in-depth analysis of network challenges, such as 5G expansion and cybersecurity risks, within the telecommunications industry
 - Identified and engaged key stakeholders, consolidating issues to refine project goals and objectives
 - Implemented complex stored procedures, functions, and views in MySQL to simulate reporting for network management
- Team Member | Marketing & Sales**
Aiesec
 - Promoted cultural exchange programs and global networking opportunities through AIESEC's platforms
 - Contributed to marketing and sales strategies to increase engagement and participation in international projects

LANGUAGES

Spanish Beginner ●●●●●

NOTABLE ACHIEVEMENTS

- First-Class Standing

Maintained a **First-Class Standing (Average Grade A)** and earned **Dean's List recognition twice** for exceptional academic performance at Strathmore University.
- International Academic Representation

Represented Strathmore University at the **FLOW Undergraduate Engineering Summer School** in France (2025), gaining hands-on experience in AI and Data Processing.
- Dean's List | Strathmore University

Recognized for outstanding academic performance during the 2023/2024 academic year, achieving top honors in the program.

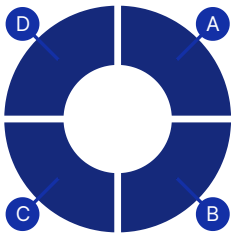
REFEREES

Available Upon Request

EXPERIENCE

- Volunteer
- PEFA Syokimau School
- Event Support: Assisted with organizing school activities and events
 - Community Engagement: Collaborated with the local community to organize educational support programs for students

MY TIME



- A Artificial Intelligence & Emerging Technologies
- B Global Innovation Programs & Research Exchanges
- C Cybersecurity
- D Sustainable Digital Transformation

CERTIFICATION

Certificate in Cybersecurity (ISC2)

Moringa School