







Mekayla X. Moyikwa

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 English - Native | Afrikaans - Native | Xhosa - Intermediate

Summary

Final-year BSc IT student with 3+ years of hands-on experience in full-stack development, databases, and robotics. Proficient in Python, Java, JavaScript, and C-family languages. Passionate about building impactful software solutions. Seeking opportunities in software engineering or related fields.

Education:

North-West University (NWU)

BSc Information Technology | 2023–Present (Expected Dec 2025)

- Current Modules: DSS II, Adv. Databases, OS, IT Developments, Business for Managers
- Key Projects:
 - E-commerce Platform (Flask + SQL, PDF reports)
 - Banking DB System (SQL)
 - Messenger App (C#/Firebase)

UniCollege, Krugersdorp

IT Programming Certificate | 2022

- Python, JavaScript, HTML/CSS, C++, C, React.js
- Linux (Intro), Software Eng., Robotics, AI
- CRM Shortcourse (Distinction)

Technical Skills

- Languages: Python, Java, JavaScript, C++, C#, SQL, HTML/CSS
- Frameworks/Tools: React, Flask, Firebase, Bootstrap, Arduino, Git
- OS & Environments: Linux, Windows
- Core Concepts: Full-Stack Dev, OOP, REST APIs, Database Design

Certificates

- JavaScript Specialist – Certiport, 2022
- Software Development – Certiport, 2022

Strengths

- ✓ Full-stack development
- ✓ Analytical problem-solving
- ✓ Technical documentation
- ✓ Team collaboration & communication
- ✓ Continuous learning & adaptability

Technical Projects:

Movie Discovery Dashboard |

- React 18 • TMDB API • Appwrite
- Real-time data for 10,000+ movies
 - Debounced search with history

E-Commerce Management System |

- Python • Flask • SQL Server
- Comic retailer stock & sales management
 - Automated reports with matplotlib

4WD Obstacle-Avoidance Robot

- C++ • Arduino UNO
- Autonomous navigation using ultrasonic sensors

To-Do List & Timer Apps

- HTML/CSS • JavaScript
- Sound alerts, lap tracking, animations
 - Keyboard shortcuts, responsive UI

Pokémon API Explorer | GitHub

- JavaScript • REST API
- Integrated API for 150+ Pokémon
 - Responsive UI with pagination