

Saziso Sikhanyiso Buthelezi

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Empangeni | KwaZulu-Natal

EDUCATION

Belgium Campus iTVersity <i>Diploma in Information Technology</i> <i>Software Development (Programming & Databases)</i>	Pretoria, Gauteng Feb 2023 – May 2026
FNB App Academy <i>NQF Level 5 Certificate in Mobile Application Development (In Progress)</i> Enrolled in a 9-week intensive program focused on mobile development, covering UX/UI design, backend integration, and API-based architecture	Remote May – Jul 2025

RELEVANT COURSEWORK AND PROJECT:

Smart Door Motion Sensor & Emergency Alert System (In Progress) <i>Final-year IoT project</i> <ul style="list-style-type: none">Designing an assistive smart door and emergency alert system for deaf and hard-of-hearing students in university residencesAiming to enhance student safety and independence through accessible, affordable IoT technology	Mar 2025 – Nov 2025
Excel Automation Tool (Modified Build) <i>Python, openpyxl, tkinter</i> <ul style="list-style-type: none">Recreated a spreadsheet automation tool based on a GitHub example and added a custom search feature to handle large subscriber datasetsStrengthened Python scripting and user interface development skills through hands-on problem solving	2025
Budget Tracker (Web App) <i>HTML, CSS, JavaScript</i> <ul style="list-style-type: none">Designed and built a budgeting tool to track and manage user expensesPracticed DOM manipulation and created an interactive and responsive UI	2024
Gym Management System <i>C#, .NET Framework, ADO.NET, WinForms</i> <ul style="list-style-type: none">Built a desktop-based HR management tool using object-oriented programming and ADO.NET for full CRUD operations.Designed to demonstrate core database interaction, clean separation of logic, and UI design principles for enterprise applications.	2024

LEADERSHIP AND EXPERIENCE

Hack the Waste Hackathon (24-Hour Global Online Event, Fast Plus) <i>Participant – Waste Management & AI Innovation</i> <ul style="list-style-type: none">Collaborated with international student teams to design an AI-powered waste-sorting solution for Belgium's Blue Bag system.Built a Figma prototype using camera-based ML to guide users on proper recycling, gaining hands-on experience in UI/UX and sustainability tech.	2025
Music Club <i>Leader</i> <ul style="list-style-type: none">Founded and led a student choir, organized a campus-wide karaoke night, and collaborated with the Arts Club for their annual exhibition.Developed leadership, event planning, and teamwork skills through consistent music-driven campus engagement.	2024

SKILLS & PERSONAL

Languages: C#, Python, JavaScript, HTML, CSS, Java
Databases: MySQL, SQL Server, MongoDB
Tools & IDEs: Visual Studio, Visual Studio Code, PyCharm, Git, GitHub, IntelliJ
Frameworks & Technologies: .NET Framework, WPF, ADO.NET, Power BI