KATLEHO TSOTETSI

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Summary

I'm in my final year of a BSc IT program at North-West University, where I've gained practical experience developing full-stack web applications and spearheaded tech initiatives as a leader of the Geekulcha Student Society. Driven by a passion for tackling real-world challenges with clean, scalable code, I thrive on collaborative learning and making meaningful contributions to any team. I'm now looking for graduate or junior developer roles—whether front-end, back-end, or in robotic process automation—where I can continue growing my skills and impact.

Key Skills

Eager to learn | Problem-Solving | Communication | Adaptability | Organized | Customer-centric | Web development | Software development | Databases | HTML5/CSS3 | JavaScript | Responsive Web Design | Version Control (Git) | Team Collaboration |

Technical Skills

Languages: C#, Java, Python, SQL, JavaScript, HTML/CSS
Frameworks: React, Node.js Next.js, SvelteKit
Developer Tools: Git, VS Code, Android Studio, Visual Studio Code,

Academic Background

Bachelor of Science in Information Technology
North West University, Vanderbijlpark
Expected Graduation: 2026

- Relevant Coursework: Web Development ASP.NET, Structured Programming, Data Structures, Algorithms, Database Systems, System analysis and Design, Java OOP

Projects

NWU Vaal GKSS Website | *SvelteKit, Supabase PostgreSQL, Brevo Email SMTP, Groq* https://nwu-vaal-gkss.netlify.app

Group Project, 2024 - Present

- Collaborated with my team to develop a robust, secure and fast full stack web app, that features Quizzes, Admin Dashboard, Member Dashboard, community forum, AI Idea Generator, Event Management System with QR code scanning for attendance.
- Used Brevo Email SMTP to send automated emails to members.
- Used Supabase inbuilt email/password auth
- Used Supabase PostgreSQL database for data storage and its bucket storage for file storage.

Extra-Curricular & Certifications

Excel & C++ Co-Lecture   July 2025

- Hosted lecture sessions demonstrating the use of excel
- Provided students with relevant information on how to code with C++
- Identified the root cause of bugs and implemented a fix to improve the console application

Recruitment & Sponsorship and Fundraiser   Jan 2025 – Present
NWU Vaal GKSS | Vanderbijlpark | https://nwu-vaal-gkss.netlify.app

Geekulcha student society for NWU Vaal campus

- Guiding the GKSS Executive committee on the technologies that can be used for solutions and career growth
- Backing the open-source agenda and expose students to emerging technologies for faster development of a solution
- Helping the executive committee get onboarded and achieve a greater workflow

NiTheCS & CHPC Coding Summer School   Jan 2025

NWU Vaal GKSS | Vanderbijlpark | CHPC Coding Summer School - 2025 (27 January 2025 - 7 February 2025): Overview · CHPC Events (Indico)

- Data Science with Pandas
- Workflow management: Extract, Transform, Load
- Exploratory Data Analysis
- Bash Fundamentals
- Computational Thinking
- Probability Theory and Statistics
- Machine Learning & Artificial Intelligence