

NKOSINATHI KHUMALO

BSc Computer Science Student

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ABOUT ME

I am a final year BSc Computer Science student who has a strong interest in building practical, impactful real world software solutions. I have a solid understanding and foundation in programming and problem-solving. In addition to my technical capabilities, I have been actively involved in mentorship and leadership initiatives, reflecting strong communication, collaboration and organisational skills. I am a disciplined individual seeking to contribute my skills in a professional environment while continuing to learn and grow.

EDUCATION

Bachelor of Science - Computer Science
February 2024 - November 2026(expected)
University of the Witwatersrand, Johannesburg

National Senior Certificate(NSC)
2019-2023
Moreko Secondary School
Matriculated with an overall average of 89%

PROJECTS

Snake Game:

- An automated snake utilises shortest path algorithms to find the goal(apple).
- **Tech stack:** Java

ShopMate - A shopping assistant app:

- A surrogate shopping app designed to connect the elderly/disabled with volunteers to shop for them.
- **Tech stack:** Java, Android Studio, PHP, MySQL

Sudoku Solver:

- A program that uses a recursive and backtracking algorithm to solve a 16 x 16 sudoku grid.
- **Tech stack:** C++

SKILLS

Programming & Development:

- Javascript
- Python
- C/C++
- Java
- HTML & CSS
- SQL

Developer Tools:

- VS Code
- Eclipse
- MySQL
- Git and Github
- Android Studio

LEADERSHIP / EXTRACURRICULAR

Secretary

School of Computer Science and Applied Mathematics Student Council

November 2025 - November 2026

University of the Witwatersrand, Johannesburg