Siphesihle Mvelase
Creative and Innovative Developer

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Education

University of the Free State

Bloemfontein

January 2022 to December 2024

BSc IT Majoring in Computer Science and Business

Profiles

in SpherCodes

○ SpherCodes

Skills

Programming Languages

HTML5, JavaScript, Python, TypeScript, SQL Sever, C#

Frameworks/Technologies

.NET Core, MVC, React.js, Next.js, Node.js, Express.js, Bootstrap 5

Interests

High performance Computing

High performance Computing, Cyber Security, Software Development

Languages

English

Native or Bilingual Proficiency

Afrikaans

Experience / Experince

University of the Free State	**February 2023 to December 2024**
Student Assistant	UFS Bloemfontein Campus

- Provided guidance and support to second- and third-year Computer Science students.
- Helped students understand complex programming concepts through clear explanations and examples.
- Facilitated practical sessions to reinforce theoretical knowledge and improve coding skills.

University of the Free State	**February 2024 to December 2024**
Lecture Assistant	UFS Bloemfontein Campus

- As a student Assistant i Assisted the lecture in delivering quality computer science content and also marking Students Practical assignments

Participated at the 2023 CHPC National Round.   **December 2023**

At the CHPC National Round, teams from various universities competed in building small High-Performance Computing (HPC) clusters using hardware provided by CHPC and Dell, while adhering to a set budget of R200,000. The competition took place on the exhibition floor, where teams designed, assembled, and optimized their clusters to achieve the best possible performance and efficiency.

UFS Information Technology Student Association   **January 2022 to Present**
(ITSA)

Vice-President

Active member of the UFS IT Student Association (ITSA), contributing to initiatives that promote technology awareness, skill development, and collaboration among students. Engaged in organizing events, workshops, and networking sessions to connect students with industry professionals, fostering valuable relationships and career opportunities.

Projects

Student Connect

Student P2P Marketplace

⊘ https://github.com/khutyu/MarketPlace

Student Connect Market Place is an all-in-one online marketplace designed specifically for students. The application was developed using C#, .NET Core, JavaScript, Bootstrap, and CSS with Microsoft SQL Server utilized for data storage. This platform provides a centralized hub for students to buy, sell, and exchange goods and services, enhancing convenience and promoting a collaborative campus environment.

Horizon Finance

Online Banking Application (Incomplete)

⊘ https://github.com/SpherCodes/Nextbank

Horizon Finance is a full-stack web application designed to help users track their expenses and income efficiently. It allows users to check balances across all connected bank accounts in one place. With the ability to link multiple bank accounts, users can seamlessly monitor their transactions within the application.