

Nyaniso Tukani | Software Engineer

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PROFILE SUMMARY

Equipped with skills in software and multimedia development, I develop VR, websites, and apps. I regard myself as a useful team player who can work effectively under pressure. I also handle issues creatively and am committed to my professional growth. I'm ready to share and learn from my experiences, and I have great communication and critical thinking skills. I approach my professional journey with a passion of creativity and a commitment to excellence, ready to take every opportunity that presents itself.

VOLUNTEER EXPERIENCE

Geekulcha Student Society TUT, *Marketing Coordinator*

Jan 2024 – Dec 2024

- I specialize in creating engaging content, designing eye-catching posters, and managing social media accounts to promote tech events to students. My expertise lies in crafting visuals that capture attention and inspire students to become invested in technology.

TUT Residence Committee, *Finance Officer*

Nov 2023 – Oct 2024

- I ensure that all students in my residence receive the support they need to succeed academically. I work closely with residence mentors to help students who are struggling with their studies, making sure that no one is left behind. I offer continuous support to help students overcome their academic challenges.

PROJECT EXPERIENCE

Ubuntu Connect Website

- "Ubuntu Connect" is a web application designed to facilitate connections between patients and doctors nationwide. Users can easily book appointments with hospitals, optometrists, and dentists through a user-friendly interface. Developed using HTML, CSS, JavaScript, and Java with Spring Boot, it ensures both frontend elegance and backend robustness. My primary responsibility included developing the responsive "Book Appointment" page, leveraging HTML, CSS, Bootstrap, and integrating MySQL for doctor management and patient appointment records. This comprehensive approach aims to streamline healthcare access and appointment scheduling for enhanced user convenience.

Robben Island Virtual Tour

- For my final year project in Virtual Interactive Environments, I created a Virtual Reality (VR) experience for exploring Robben Island, including Nelson Mandela's cell. This immersive VR environment also features an interactive recreation of Govan Mbeki's cell. The experience includes a screen displaying videos about the apartheid struggle and allows users to interact by grabbing objects within the VR setting. I used Unity3D for developing the VR experience and programmed it using C#.

My Personal Portfolio

- I created a personal portfolio to showcase information about myself, including links to my resume and detailed explanations of my completed projects. I utilized ReactJS to enhance the front-end development experience.

EDUCATION

Tshwane University of Technology

Diploma in Multimedia Computing

2022 - 2024

Bokgoni Technical Secondary School

National Senior Certificate

2016 - 2021

SKILLS

Java | Python | Kotlin | C# | HTML&CSS | Spring Boot | MVC | Servlets | JavaScript | React JS | MySql | Bootstrap | Unity 3D Game/VR | Figma | Adobe Creative Cloud | Communication Skills | Team Player | Problem Solving | Critical Thinking | Time Management

CERTIFICATES

Geekulcha Annual Hackathon

Oct 2023

I participated in the Geekukcha Hackathon, where I collaborated with a team to develop an app designed to help university students apply for multiple residences of their choice. We utilized HTML, CSS, JavaScript, and Firebase to build the application.