NOSIPHO NDABA

CONTACT

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EDUCATION

Injoloba Secondary School   2019
Grade 12
Bachelor pass
University of KwaZulu Natal 2021
Bsc Computer Sc and ISTN In progress

SKILLS

- SQL
- Python
- Java
- C++
- Microsoft 365
- C#
- Leadership
- Collaborative
- Innovative
- Strategic
- Communication
- Time Management
- Creativity& Adaptability
- Authentic

OBJECTIVES

I am a final-year student majoring in Computer Science and (Information Systems Technology and Networking) ISTN, with a passion for tackling complex challenges and driving innovation. Skilled at collaboratively with teams, managing or overseeing projects, and leading efforts to deliver valuable solutions. A strategic thinker with a sharp analytical approach, dedicated to continuous growth and staying adaptive to the evolving landscape of technology. Eager to contribute to a dynamic environment that nurtures creativity and innovation, learning, and meaningful impact in the field of IT and analysis.

EXPERIENCE

Woman Techsters Launchpad program-Web Development   2025

I learned key principles of web design and user-focused development while gaining proficiency in version control through Git and GitHub. The program also improved my teamwork skills, problem-solving abilities, and time management through collaborative coding tasks and a structured learning schedule.

1st level Computer Science Private Tutor   2021-2023

I Helped Computer Science Students with First Year level comp modules for them to understand Python and Java algorithm and further be able to tackle complex programming problems.

Grade 12 Physical Sciences Tutor   2020

I assisted Physical Science learners to understand the content and further be able to solve complex problems .

PROJECTS

Point of Sales and Inventory System   *Feb-July 2025*

- Led a team of six as Project Coordinator for a restaurant transitioning from a manual to a digital system.
- Oversaw the entire development process, assigning tasks based on team members' strengths.
- Ensured project milestones were met on time.
- Integrated real-time stock tracking to display only available items.
- Design a user-friendly interface to streamline customer interaction.
- Managed system integration with SQL databases and implemented logic using C# programming.
- Significantly reduced order errors and improved operational efficiency.
- Enabled automated reporting that provided valuable business insights.

    Strengthened skills in leadership, project management, system integration, SQL database management, and C# language

C++ story-driven Quiz game   *Feb-May 2025*

- Tasked with leading the development of a story-driven quiz game that incorporated randomized question types, pointer mechanics, and gamified progression.
- Served as group leader of 11 members, overseeing task distribution and project coordination.
- Designed and implemented the core game logic using object-oriented principles in C++.
- Integrated interactive visuals to enhance user engagement and game immersion.
- Incorporated various C++ concepts such as pointers, classes, templates, and operator overloading.
- Delivered a fully playable, visually engaging C++ quiz game.
- Successfully promoted hands-on learning of C++ in a fun and educational format. Sharpened skills in leadership, C++ programming, and UI integration

VoiceOfHer-Girl Code   Aug 2023

- Contributed to VoiceOfHer – Girl Code, a group project focused on empowering girls by offering a safe, anonymous platform to report safety concerns or harassment.
- Assigned to design and implement the user interface, ensuring the platform was secure, intuitive, and easy to navigate.
- Developed responsive front-end layouts compatible with various screen sizes and devices.
- Focused on accessibility, user experience (UX), and clear navigation for all users.
- Applied user-centred design principles to improve usability and engagement.
- The platform launched successfully and received positive feedback for its intuitive, user-friendly design.
- Strengthened skills in frontend development, responsive design, and UI/UX design with a social impact focus.