SIBAHLE SHANGE

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EDUCATION

Cape Peninsula University of Technology

Diploma in ICT: Application Development   *Expected Graduation, April 2026*

- o **Related Coursework:** Data Structures & Algorithms, Graphic User Interface (GUI), Database system, serialization, Object-Oriented Programming.

Cisco Networking Academy: IT Essentials   *Completed,2023*

- o **Related Coursework:** PC Hardware & Software, Operating Systems Installation & Troubleshooting, Basic Networking, IT Security, Mobile Devices Maintenance

Secondary Education

Sparks Estates Secondary School   *Completed 2019*

- o National Senior Certificates (Grade 12)

PROJECTS

Car Voting System   **Cape Town, South Africa**

Team Member   *2024*

- Developed a client-server application where clients voted for their favorite cars; the server communicated with a database.
- Implemented object serialization for saving and retrieving voting data.
- Used Java GUI, JDBC (database), and CRUD operations to manage car entries and votes.

Student Course Registration System   **Cape Town, South Africa**

Team member   *2024*

- Created a GUI application using Java, allowing students to register for courses, select modules, and dynamically calculate total registration costs.
- Integrated CRUD operations with a database to store and manage student registrations.
- Implemented module add/drop functionality to update fees in real-time.

Calculator Application   **Cape Town, South Africa**

Own project   *2024*

- Developed a basic calculator application using Java and GUI (Swing) to perform addition, subtraction, multiplication, and division.
- Implemented exception handling to detect and manage runtime errors, including division by zero.

Inkwali Yenkosi Clothing Website   **Cape Town, South Africa**

Team member   *2023*

- Designed and developed a clothing e-commerce website using HTML, CSS, and JavaScript.
- Built shopping cart functionality to allow users to add and manage products before checkout.

SKILLS

Technical Skills: Java, JavaScript, HTML/CSS, SQL, JDBC, Client-Server Communication, Object-Oriented Programming (OOP).
Tools: NetBeans, IntelliJ, Visual studio Code
Soft Skills: Team collaboration, Critical thinking, Agile approach, Communication, Time management, Adaptability, problem solving**.**

REFERENCES

Mentor
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