SIBAHLE SHANGE

Cape Town, Western Cape| sshange614@gmail.com | 0633811246| LinkedIn: www.linkedin.com/in/sibahleshange| GitHub: https://github.com/SibahleShange

EDUCATION

Cape Peninsula University of Technology

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

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

Cisco Networking Academy: IT Essentials   *Completed,2023*

- o **Related Coursework:** PC Hardware &Troubleshooting, Basic Networking, IT Security, (ONLINE)

Secondary Education

Sparks Estates Secondary School   *Completed 2019*

- o National Senior Certificates (Grade 12)

PROJECTS

Automated Traffic Department   **Cape Town, South Africa**

Team Member   *Present*

- Developed a Spring Boot application integrated with RESTful API and MySQL database, and REACT (For the front-end) to allow users to book learner and driver tests.
- Implemented online payment functionality for tickets and vehicle disc renewals.
- Collaborated using GitHub, Visual Studio Code, and IntelliJ IDEA.
- Focused on secure client-server communication, modular design, and CRUD operations.

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.

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 SKILL

- **Programming & Languages:** Java, JavaScript, HTML/CSS, Python (basic), SQL
- **Frameworks & Libraries:** Spring Boot, React
- **Database & APIs:** MySQL (Queries, Tables, Relationships, ERD), JDBC, RESTful API
- **Tools & Platforms:** Git & GitHub, Visual Studio Code, IntelliJ IDEA, NetBeans, Postman, Figma (UI design & prototyping)
- **Development Practices:** Object-Oriented Programming (OOP), Test-Driven Development (TDD), Client-Server Communication

SOFT SKILL

- **Soft Skills:** Team Collaboration, Communication, Critical Thinking, Problem Solving, Time Management, Adaptability, Self-Motivated, Goal-Oriented, Agile approach**.**

ACCOMPLISHMENTS AND AWARDS

- Awarded **Academic Excellence** for outstanding performance.
- The lecturer was highly impressed with my project work and granted permission to use it as a reference for other students.

HOBBIES & INTERESTS

- Reading books and novels to enhance knowledge.
- Swimming to improve concentration.
- Attending IT-related events, youth empowerment, and women empowerment events.

REFERENCES

Mentor
Name: Tashreed van der Schyff
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