**Philani Shange**  
📍 Cape Town, South Africa

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🔗 GitHub: [github.com/Philani50](https://github.com/Philani50)

**Summary**

A highly analytical and detail-oriented ICT Applications Developer with experience in software development, electronics, and system troubleshooting. Skilled in creating scalable applications, optimizing technological frameworks, and leveraging problem-solving capabilities to improve operational efficiency. Seeking an internship in Data Center Engineering Operations to apply technical expertise and contribute to a cutting-edge, data-driven environment.

**Personal Information**

Name: Philani

Surname: Shange

Date of birth: 17 May 2004

Identity number: 0405175576082

Age: 20 years

Gender: Male

Race: Black

Nationality: South African

Marital status: Single

Criminal record: none

**Education**

**High school**

**Nhlanhlayethu secondary school**

* Highest grade passed: Grade 12 (2021)

**Tertiary**

**Cape Peninsula University of Technology**  
*Diploma in ICT Applications Development (Ongoing)*

* Specialization in software engineering, database management, and system architecture.
* Hands-on experience in developing and deploying web applications.

**Experience**

**Freelance ICT Developer & Electronics Technician**  
*2022 – Present*

* Architect and maintain dynamic web applications using Vue.js and Python, ensuring seamless performance and user experience.
* Diagnose and repair electronic hardware, including mechanical integrations, to enhance operational efficiency.
* Collaborate with clients to deliver customized solutions, from system design to troubleshooting and repair.

**Skills**

**Programming & Development:** Java, Python, JavaScript, Vue.js, RESTful APIs  
**System Engineering & Operations:** Circuit Design, Mechanical Prototyping, System Troubleshooting  
**Database Management:** MySQL, PostgreSQL  
**Development Methodologies:** Agile, OOP, MVC Architecture  
**Tools & Technologies:** Git, Docker (Basic knowledge), Cloud Computing (Basic knowledge)

**Relevant Projects**

**Van Rental Web Application**

* Developed a responsive, BMW-inspired homepage for a van rental platform using Vue.js, integrating an automated booking system.
* Applied object-oriented principles to ensure scalability and maintainability.

**Community Organization Management System**

* Designed an OOP-based Python system to streamline youth program and event management, including automated report generation.
* Engineered modular classes such as Program, Workshop, Seminar, and FundraisingEvent for easy extensibility.

**Interests & Hobbies**

* **Advanced Software Engineering & AI Development**
* **Embedded Systems & IoT Prototyping**
* **Business Strategy & Tech Entrepreneurship**

**Contact & Networking**

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