HOME ADRESS : 35316 LUMA STREET HARARE KHAYELITSHA 7784

CONTACT NUMBER : 0621349570

EMAIL ADDRESS : [tmtshwelo21@gmail.com](mailto:tmtshwelo21@gmail.com)

PROFESSIONAL PROFILE

A very hard-working individual with a result-driven mindset, willing to work under and condition with self-driven abilities. Quick to learn skills, equality, success in both team and individual setting and proficient in driver's environment. Available immediately.

PERSONAL DETAILS

Surname : Mtshwelo

First Name : Thulani

ID Number : 0312056158081

Gender : Male

Nationality : South African

EDUCATIONAL QUALIFICATIONS

Last School Attended : Isikhoba Nombewu Technical Senior Secondary School

Highest Grade Passed : Grade 12

Year : 2021

OTHER QUALIFICATIONS

Institution : Siseko Technologies

Field : System Development

Year : 2023-2024

Institution : Capaciti

Field : Full Stack Software Developer

Year : 2025

WORK EXPERIENCE

Name Of Company : SHAWCO UCT

Position : Digital Literacy Trainee

Year : 2024-2025

SKILLS SUMMARY

* Frontend : HTML, Java Script, CSS
* Backend : Java Script (Node.js), Python, Java, C#
* Frameworks : React
* Tools : VS Code, Git+ Github, Powershell, browser consoles, IntelliJ IDEA
* Platforms : GitHub Codespaces, Expo, Firebase, Superbase, npm
* Soft Skills : Communication & Collaboration, Thinking & Problem Solving Time& Project Management, Professionalism &Mindset

PROJECTS

* Built a Web Application for my choir where new members that want to join the choir can apply through the website.
* Built a Web Application as a team for CPUT students that do not have access to studying resources.
* Built a Web Application as a team for tourists travelling assistant.

CERTIFICATES

[Introduction to Artificial Intelligence (AI)](https://www.coursera.org/account/accomplishments/records/E89EUTHVBEJO)

* Gained hands-on experience with core AI techniques such as search algorithms (A\*, BFS, DFS), knowledge representation, and reasoning.
* Developed simple AI agents using Python to solve problems like pathfinding and game playing.
* Explored machine learning basics, including supervised and unsupervised learning algorithms.
* Implemented basic neural networks and trained models using libraries like TensorFlow or scikit-learn.
* Understood ethical considerations and societal impacts of AI technologies.

[Programming with Java](https://www.coursera.org/account/accomplishments/records/9F6GWC220MLX)

* *Acquired core Java programming skills and applied object-oriented principles*
* Developed proficiency in Java syntax, control structures, and data types.
* Implemented object-oriented concepts including classes, inheritance, polymorphism, and encapsulation.
* Built console-based applications involving file I/O, exception handling, and collections (ArrayList, HashMap).
* Worked with Java APIs for string manipulation, threading, and basic GUI development (Swing/JavaFX).
* Practiced debugging, testing, and code optimization techniques.

[Building AI Powered Chatbots Without Programming](https://www.coursera.org/account/accomplishments/records/AA7OIU6J2VC0)

* *Designed and deployed intelligent chatbots using no-code platforms*
* Created AI-driven chatbots using platforms like Dialogflow, Microsoft Power Virtual Agents, or Chatfuel.
* Designed conversation flows and intents to handle diverse user queries effectively.
* Integrated chatbots with messaging platforms (e.g., Facebook Messenger, WhatsApp) for real-world interactions.
* Applied natural language understanding (NLU) concepts to improve chatbot responsiveness and accuracy.
* Tested and iterated chatbot performance based on user feedback and analytics.

[Generative AI: Introduction and Applications](https://www.coursera.org/account/accomplishments/records/1714ONYVLID6)

* *Explored the fundamentals and practical uses of generative AI models*
* Gained understanding of generative AI techniques such as GANs (Generative Adversarial Networks), VAEs (Variational Autoencoders), and autoregressive models.
* I studied applications including image synthesis, text generation, style transfer, and music creation.
* Experimented with pre-trained models like GPT, DALL·E, and Stable Diffusion for content generation.
* Learned ethical considerations related to generative AI, including bias, copyright, and deepfakes.
* Developed simple projects demonstrating generative AI outputs using Python libraries and APIs.

### [Generative AI: Prompt Engineering Basics](https://www.coursera.org/account/accomplishments/records/DR1T5BLFCDRA)

* *Learned to craft effective prompts to optimize AI model outputs*
* Developed skills in designing clear, specific, and context-rich prompts to guide generative AI models (e.g., GPT, DALL·E).
* Experimented with prompt variations to improve relevance, accuracy, and creativity of AI-generated content.
* Understood the impact of prompt structure, length, and wording on model responses.
* Applied prompt engineering techniques for text generation, code completion, and image creation tasks.
* Explored best practices and limitations of prompt engineering in real-world applications.

### [Introduction to Software Development](https://www.coursera.org/account/accomplishments/records/7PIX8M680161)

* *Built foundational skills in software design, coding, and lifecycle management*
* Learned core programming concepts including variables, control structures, functions, and data types.
* Gained experience with software development methodologies such as Agile and Waterfall.
* Practiced version control using Git and collaborated on projects using GitHub.
* Explored software testing techniques including unit testing and debugging strategies.
* Developed simple applications following software development life cycle (SDLC) phases: requirements, design, implementation, testing, and maintenance.