Siyamthanda Makani

✉ makanisiya726@gmail.com 📞 0672918245 📍 Pretoria,South Africa 📅 June 9th, 2001 ⚧ Male

in linkedin.com/in/makani-siyamthanda-a77538295

Profile

Computer Systems Engineering graduate with a strong foundation in embedded systems, robotics, and automation. Hands-on experience with microcontrollers, real-time programming, and AI-driven solutions. Passionate about building innovative tech systems and eager to contribute to cutting-edge projects in IoT, robotics, and data-driven automation.

🔗 For more information and project highlights, please visit my portfolio: makani-portfolio.vercel.app 🔗

Education

2021 – 2024 pretoria, South Africa	**Diploma Computer Systems Engineering** **Tshwane University of Technology**
February 2025 – present pretoria, South Africa	**Advanced Diploma in Computer Systems Engineering** **Tshwane University of Technology** Part-Time

Skills

- Embedded Systems: C/C++, Microcontrollers, Real-time Programming
- Programming: C/C++, Python, Object-Oriented Design
- Problem-Solving & Analysis
- Industrial Automation: PLC Programming, Digital Process Control
- Digital Electronics: Circuit Design, FPGA Basics, Logic Gates, PCB Design
- Data Science(AI)

- Networking: TCP/IP, LAN/WAN Configuration
- Communication
- Project Design & Management
- Databases: SQL, Database Design
- Operating Systems: Process Scheduling, Memory Management
- Team Collaboration

Professional Experience

Tshwane University of Technology

March 2024 – June 2024 pretoria, South Africa	**SASO Tutor** I am a programming and Digital electronics Tutor.
January 2023 – December 2023 pretoria, South Africa	**Residence Mentor**
August 2024 – February 2025 pretoria, South Africa	**4IR Robotics Intern**

Certificates

- Tshwane University of Technology Student Mentor

- Diploma In Computer Systems Engineering

Languages

English **Isixhosa** **Zulu**

References

Provided Upon request

- Tshwane University of Technology Student Mentor

- Diploma In Computer Systems Engineering