



CONTACT

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📍 Durban, KwaZulu Natal
🔗 [Thulasizwe Phetha](#)

EDUCATION

2021-2025
UNIVERSITY OF KWAZULU NATAL
BSc Electronic Engineering

2016-2020
SIYANDA SECONDARY SCHOOL
National Senior Certificate

SKILLS

- Electronic Circuit Design
- Soldering & PCB Work
- Teamwork
- Programming: Java, C++, C#, Javascript, Html, Python
- Leadership

ACTIVITIES

VOLUNTEER TUTOR
FUNDA THE AFTER-SCHOOL PROGRAM

PROVIDING ONE-ON-ONE SUPPORT IN MATH AND PHYSICS TO HIGH SCHOOL STUDENTS, HELPING THEM GRASP CHALLENGING CONCEPTS AND BUILD ACADEMIC CONFIDENCE.

LANGUAGES

THULASIZWE PHETHA

ELECTRONIC ENGINEERING STUDENT

PROFILE

I am a final-year Electronic Engineering student passionate about innovation and practical problem-solving. My skills include circuit design, signal processing, microcontroller programming, and embedded systems, with hands-on experience in PCB design, prototyping, and programming in C/C++, Python, and MATLAB. I thrive in collaborative environments, tackling complex engineering challenges with analytical and creative approaches. I am seeking graduate programs, vacation work, or internships to apply my knowledge and further develop my expertise in this dynamic field.

WORK EXPERIENCE

- **University of KwaZulu Natal** AUG 2025- PRESENT
LAB DEMONSTRATOR
 - Demonstrator for Field theory, Electrical Principle and Electrical/Electronic Engineering modules.
 - Guiding 2nd year students, by ensuring they understand the techniques used as well as following protocol and safety guideline.
- **Azoteq** DEC 2024- JAN 2025
Vacation Work
 - At Azoteq, I tested and debugged ProxSense products, resolving defects through soldering and firmware adjustments. For example, I fixed calibration issues in sensors, improving accuracy and reducing production delays.
- **Tekmation Training Institute** JUN 2022-JULY 2022
Workshop Training
 - Engineering workshops on Skills and Design learning which included: welding, cutting, tuning and programming.

REFERENCE

DEWALD SCHOEMAN
Azoteq /Application Engineer

Sphamamndla Ndlovu
Funda the afte-shool program / Founder