Khulekani Khethani Cebekhulu

Electrical Engineering Graduate

Profile

As a recent electrical engineering graduate, I am eager to apply my theoretical knowledge and practical skills to contribute to engineering projects that drive innovation and solve real-world challenges.

Contact Information

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LinkedIn: linkedin.com/in/Khulekani Cebekhulu

Portfolio: https://cebzaimpisi.github.io/MyPortfolio

Personal Information

Date of birth: 06-08-2002

Gender: Male

Nationality: South African

Language: English and IsiZulu

Programming Skills

- JavaScript, HTML and CSS
- C, C++ and Python

Software Skills

- Proteus, Arduino IDE and PyCharm
- Visual Studio Code and Atmel Studio 7

Professional Skills

- Engineering design and prototyping
- Technical writing and communication
- Data analysis and interpretation
- Problem-solving and critical thinking
- Microsoft Office Suite
- Web development (IoT-based system)

Projects

- **Wind Turbine:** Developed a small-scale wind turbine for renewable energy projects.
- **Contactless Temperature Screening:** Created a system to measure temperature without physical contact.
- **Traffic Lights:** Designed and implemented a traffic light control system.
- **Single Phase Induction Motor:** Worked on the design and analysis of a single-phase induction motor.
- **Innovative Vehicle Tracking System:** Developed a system to track vehicle locations in real-time.
- **Weather App:** Built an app to display weather data using APIs.
- **Passenger Counter App:** Created an app to count passengers.
- **Electrical Circuits Calculator App:** Developed an app to calculate parameters of electrical circuits.

Education and Certification

Tshwane University of Technology

Diploma in Electrical Engineering Certificate

2021 - 2023

Omron Automation eLearning

Introduction to Factory Automation Certificate

July 2022 - Sept 2022

FreeCodeCamp

Responsive Web Design Certificate

Feb 2024 - July 2024

Work Experience

P1 and P2 Training - Tshwane University of Technology

July 2023 - July 2024

- Engaged in hands-on electrical engineering projects and practical training.
- Design and developed innovative vehicle tracking system.

References

Doctor Migabo-Mentor-Tshwane University of Technology

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