



☎ 072 681 1020
✉ akhiljacob24@gmail.com
🌐 www.everythingakhiljacob.com
📍 Cape Town

Education

University of Cape Town
BSc. Mechatronic Engineering
2017-2023

Personal Skills

- Collaborative
- Adaptable
- Multi-tasking
- Critical thinking
- Time management

Technical Skills

- CAD modelling
- DesignBuilder modelling
- Life Cycle Assessment
- Microsoft Office

Extra Curricular Activities

Volunteer at Call2Care, Cape Town
Team Leader (March 2022)

- Led a corporate group from Rand Merchant Banking to repaint and revamp classrooms at Thembani Primary School in Cape Town.

AKHIL JACOB

Recently qualified Mechatronic Engineer looking for opportunities in the renewable energy sector. Hard-working, well-presented, and eager with a keen interest in sustainability and renewable energy.

Experience

The Green House
Junior Consultant *September 2023 - December 2023*

- Broad exposure to various consulting projects relating to energy, climate change, carbon footprinting and greenhouse gas emissions.
- Hands-on experience in Life Cycle Assessment using SimaPro software.

D-Tech Engineering
Intern *December 2017 - February 2018*

- Served as a dedicated and supportive intern in a fast-paced environment.
- Mastered the fundamentals of the practical side of engineering.

The Magic Company, Wild Coast
Technician *December 2018 - February 2019*

- Customer-facing position
- Servicing and repairing arcade machines, showed initiative by reusing parts from arcade games to repair others.

Final Engineering Project

Investigation into energy consumption and the effect of energy efficiency interventions in a commercial building.

- Analysed annual energy consumption of a commercial building including a building audit to identify primary energy drivers.
- Modelled 2 intervention methods to bring down annual energy consumption by 46%.
- Calculated realistic payback period to demonstrate return on investment.

References

Yvonne Lewis
Director
The Green House
Phone: 074 243 7408
Email: yvonne@tgh.co.za

Mascha Moorlach
Senior Research Officer
University of Cape Town
Phone: 021 650 3470
Email: mascha.moorlach@uct.ac.za