

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

Education

University of Cape Town
BSc. Mechatronic Engineering

Personal Skills

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

Technical Skills

- CAD modelling
- Energy modelling
- Solar PV yield estimation & feasibility analysis
- Building compliance: EDGE, SANS 10400-XA, Green Star SA
- 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.

Director/Co-founder of CPT Mallus NPC

- Co-founded a non-profit that unites the Malayalee youth community in Cape Town, fostering cultural exchange, mentorship, and networking opportunities. As Director, I lead initiatives, organise events, and build partnerships to strengthen community engagement and youth development.

AKHIL JACOB

Mechatronic Engineer with consulting experience in building performance, renewable energy modelling, and compliance analysis, with a focus on utility-scale solar PV and wind projects. Skilled in feasibility studies, solar yield estimation, technical assessments, and energy optimisation strategies across residential, commercial, and multi-unit buildings. Proven ability to deliver compliance certifications, efficiency gains, and client-facing energy solutions. Strong track record of adding measurable value to projects through technical leadership and sustainability expertise.

Experience

PJC + Partners Building Sustainability Consultant

February 2024 - Present

- Delivered EDGE Certification analyses for residential buildings, enabling clients to achieve compliance and energy, water and materials efficiency targets.
- Led building commissioning activities, ensuring systems performed as designed for energy and comfort outcomes.
- Conducted daylighting simulations, thermal comfort modelling, and energy consumption analyses contributing to Green Star accreditation.
- Provided feasibility reviews and early-stage concept studies, providing input on energy efficiency strategies and system optimisation.

Sow & Reap Consulting Building Sustainability Consultant

Part time : February 2024 - Present

- Completed numerous SANS 10400-XA Rational Assessments for both commercial and multi-unit residential projects.
- Performed daylighting simulations, sun path studies, and occupant comfort assessments to demonstrate compliance and optimise building performance.
- Delivered findings in clear reports, building skills in technical documentation and feasibility analysis for diverse building typologies.

The Green House Junior Consultant

September 2023 - December 2023

- Contributed to consulting projects focused on energy, climate change, and carbon footprinting.
- Conducted Life Cycle Assessments using SimaPro, helping clients quantify greenhouse gas emissions and identify reduction opportunities.

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