

Amir Kelifa

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Addis Ababa, Ethiopia

EDUCATION

Addis Ababa University | [AAiT](#)

B.Sc in Mechanical Engineering

Sep 2018 - Jul 2023

- Cumulative GPA - 3.82/4.00 (*Very great distinction*)
- Best BSC thesis award - "[Design of plastic recycling machine for SME's in Ethiopia](#)"
- Selected as one of 24 nominated students out of 259 applicants for [AURA \(African Undergraduate Research Adventure\) 2022](#) research exchange program at the University of Michigan, USA.

St. Mary University | [SMU](#)

B.Sc in Economics (*Distance Education*)

Sep 2021 - Oct 2025

- Cumulative GPA - 3.4/4.0

[ALX Ethiopia](#) | Addis Ababa

Data Analytics Programme

May 2023 - Nov 2023

- Full training sponsorship awarded (\$7500)

Kidist Mariam School | [KMS](#)

Highschool

Sep 2014- Jul 2018

- Valedictorian

WORK EXPERIENCE

Project Planning & Monitoring Officer

[Midroc Investment Group](#) | Addis Ababa

Sep 2023 - Present

- Monitored 12 manufacturing industries and identified 4 key challenges in production efficiency; Provided 3 actionable insights to address the challenges and reduce wastage by 11%
- Developed a techno-economic analysis template for a feasibility study on a 1.3 billion ETB plastic processing plant project; Improved cost estimation accuracy by 20%

Research Intern

[Global CO2 Initiative, University of Michigan](#) | Ann Arbor, MI

May 2022 - Aug 2022

- Conducted in-depth research on carbon capture and utilization technologies; Reviewed over 15 literature sources
- Performed [a techno-economic and life-cycle analysis on hydrogen-based green steel production](#); Chosen as a top 5 presenter before experts and researchers

LEADERSHIP

Startup Co-founder

ENQU Plastic Solution | Addis Ababa

Aug 2023- Present

- Initiated a plastic waste startup , developing a wireframe solution and a marketplace platform that connects businesses/individuals with entrepreneurs to upcycle high-quality plastic waste.
- Became a top 6 finalist out of 60 candidates in the ICJ and Kazana Group 3rd round of open pitch competition for Ethiopian startups.

Co-founder & Project coordinator

[Think Africa Research & Innovation Center \(TARiC\)](#) | Addis Ababa

Oct 2022 - Present

- Mentored 10 students and guided them on Arduino programming-based projects, resulting in winning 2 regional competitions for outstanding projects, such as a dual-axis solar tracker, health monitoring system, and smart agriculture robot.
- Featured in [GCI newsletter](#), gaining recognition and exposure for the work and vision of our non profit center

SKILLS & INTERESTS

Skills : CAD (AutoCAD, SolidWorks) , Python (Pandas, Numpy , Matplotlib) , Data analysis (MySQL, Power BI) , Economics (cost-benefit analysis, techno-economic analysis, life-cycle assessment)

Interests : Chess, Swimming , Podcast