

Edwin Mugai

Undergraduate Mechanical Engineer



Profile

Self-driven pragmatic student with a responsible and professional approach to any task undertaken. Demonstrates the proven ability to apply gained skills with exceptional technical dexterity.



Work Experience

May 2024
Dec 2024

Final year Bachelor's Project

Chia Threshing Machine

- Manage a team of 4 and provide support and advice.
 - Designed parts and components of the machine.
 - Fabricated a prototype chia thresher.
- Tested and optimized the prototype.

April 2024
July 2024

Dekut Advanced Design Manufacturing and Training Centre (ADMATC)

Avocado Oil Pressing Machine

- Re-designed the proposed machine.
- Fabrication of the prototype machine.
- Testing of the prototype.

Sept 2023
Dec 2023

Dekut Advanced Manufacturing and Training Center (ADMATC)

Amaranth Popping Machine

- Design of the machine.
- Generation of drawings.
- Fabrication.
- Testing for functionality.
- Optimization.



Education

May 2020
Current

Dedan Kimathi University of Technology

Nyeri, Kenya

- Bachelor of Science in Mechanical Engineering

Jan 2016 -
Nov 2019

Alliance High School

Kikuyu, Kenya

- Kenya Certificate of Secondary Education



Volunteer Work

Dec 2016

- 2 weeks community service at Embu's children's home; animated the children.

Aug 2018

- 2 weeks community service at Gatunduri's dispensary, post natal, taking weights of babies.



Personal Info

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Skills

SolidWorks	●●●●●
Ansys	●●●●●
Microsoft Office	●●●●●
Ansys	●●●●●
C++ Programing	●●●●●
Welding (Arc)	●●●●●
Machining	●●●●●



Languages

English	●●●●●
	Proficient
Kiswahili	●●●●●
	Proficient



Hobbies

Hiking
Cycling
Cooking