

Mistiremariam Getahun Girma

Mechanical Engineering Student | Youth STEM Advocate | Aspiring Spacecraft Systems Designer
Addis Ababa University – School of Mechanical and Industrial Engineering
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SKILLS

Programming: Python, SQL

Mechanical Tools: SolidWorks, Casting Design, Thermal Analysis

Web Development: HTML, CSS, Java Script, GitHub, Vercel

Tools: Canva, MS Word, PowerPoint

Other: Research Methods, Technical Writing, Prompt Engineering, AI Fundamentals

EDUCATION

BSc in Mechanical Engineering

Addis Ababa University – Addis Ababa, Ethiopia
Expected Graduation: 2027

PROJECT EXPERIENCE

Arduino-Based Load Measurement System – *IoT & Signal Conditioning.*

Centrifugal Pump Impeller Design – *SolidWorks & Sand Casting*

Automation in High-Risk Mining – *Research Project*

LEADERSHIP & OUTREACH

Abugida Rotaract club- Public relations --
Contributing to our social-media outreach

Media Director, Teen Ethiopia –
Led digital youth empowerment campaigns.

Abugida Robotics- Web development and
Arduino classes Intern

ESKC/SSGI- space exploration intensive
training fellow at Space Science and Geospatial
Institute

Organizer, MiNT Club – Contributed to
creative STEM storytelling and event planning.

ESSS- Ethiopian Space Science Society Member

Ambassador- She's Beyond, Ayseletinebgnm
(□□□□□□□□) anti-drug campaign

Presenter, ESSS 20th General Assembly –
Spoke on AI in astrophysics and hydrogen-
powered aircraft.

President, School of Tomorrow Space Science
Club

Core Member, Zelaki Project in a plastic
recycling and environmental sustainability
initiative, in collaboration with Arizona State
University and Gondar University.

CERTIFICATIONS & TRAINING

HVAC Design using HAP Software – 2025

Python Programming & Data Science – INFNOVA
Technologies, July 2025

Power Learn Project- Software Development Student

Canva Essentials – Canva, July 2025 | Credential ID:
6a1dba

Canva for Work – Canva, July 2025 | Credential ID:
0a7d91

Cybersecurity – ADB Institute, June 2025 | Credential ID:
127125-175-112-9481

HVAC Engineering – ESME, April 2025

Yale Young African Scholars – YYAS, July 2021

UNECA Innovation Contest – 2020

20th ESSS General Assembly Youth Presentation –
2025

UNECA/ITU Youth Innovation Boot Camp – 2024

Introduction to Aviation Leasing – IALTA | Credential ID:
11387-175-284-5609

eSafe Girls Digital Empowerment

Human Rights & Democracy Training – CARD Ethiopia