**Mistiremariam Getahun Girma**

Mechanical Engineering Student | Youth STEM Advocate | Aspiring Spacecraft Systems Designer  
Addis Ababa University – School of Mechanical and Industrial Engineering  
mistiremariamgirma@gmail.com | mistiremariam.getahun-ug@aau.edu.et  
+251 978103566 | Addis Ababa, Ethiopia

**SKILLS**

SolidWorks | Arduino & Sensors | Cybersecurity Awareness | Canva | Public Relations  
STEM Advocacy | Report Writing | Technical Communication  
IoT Applications | Leadership | System-Level Thinking

**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**

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

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

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

**President**, School of Tomorrow Space Science Club – Led astronomy and innovation projects

**Core Member,** Zelaki Project – Participating in a plastic recycling and environmental sustainability initiative in the Simien Mountains, in collaboration with Arizona State University and Gondar University.

**CERTIFICATIONS & TRAINING**

**HVAC Design using HAP Software** – 2025

**Cybersecurity Fundamentals** – ADB Institute, 2025

**UNECA/ITU Youth Innovation Boot Camp** – Best Project, 2024

**UNECA 60th Anniversary School Innovation Contest** – Innovation for Africa’s Development

**YYAS Alumna** – Yale Young African Scholars

**Python and Data Science Mastery Training Certification**- INFNOVA Technologies

**Certificate of Presentation**, ESSS – 2025  
• Topics: *Hydrogen Aircraft & AI in Dark Matter Exploration*

**eSafe Girls** – Digital Safety & Gender Empowerment

**Human Rights & Democracy** – CARD Ethiopia