

Galata Desalegn

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PROFILE

- I am an **AI engineer** and **Full-stack web developer**. I work with the **MERN stack**, AI-based **Web automation**, and modern **UI/UX Design**. My skills include backend systems, frontend development, APIs, Python, and problem solving. I am focused on building **Human-centered AI and intelligent robotics** that align with human thinking.

EDUCATION

ADAMA SCIENCE AND TECHNOLOGY UNIVERSITY

Oct 2024 – Aug 2025
Adama, Ethiopia

- Completed a Python programming course at Adama Science and Technology University, applying concepts in practical exercises
- Completed courses in Communication Skills and English Language
- Led AI discussion panels and mentored peers on algorithm concepts, gaining hands-on experience with advanced technologies

SHAMBU SPECIAL SECONDARY SCHOOL

Mar 2021 – Aug 2024
Shambu, Ethiopia

- Acquired experience building Arduino robots with C++
- Learned hardware and software integration
- Developed strong discipline and problem-solving skills

SKILLS

Full-stack web development using modern JavaScript frameworks

React, Node.js, Express, MongoDB

UI/UX Design

Figma, Adobe XD, Photoshop, Illustrator

C++ and Arduino programming for robotics projects

C++, Arduino IDE, Servo, Wire, SPI,

Leadership and teamwork skills

Web Automation

Python, JavaScript, Selenium, Puppeteer, Playwright, Cypress, REST APIs

Python programming for algorithmic problem solving and competitive programming

VS Code, PyCharm

Analytical thinking, algorithmic reasoning, and research mindset

Tools

VS Code, Git and GitHub, MySQL, Node.js,

ORGANISATIONS

Shambu special secondary school

Student Government President

May 2021 – Aug 2024
Shambu, Ethiopia

- Crisis Leadership** — Helped students stay focused during a major school financial crisis by creating morale and support programs.
- Fundraising** — Raised funds and collected student materials to support those in need.
- Student-Led Uniform Project** — Created and led a team to provide uniforms for all students, eliminating visible financial differences in the classroom.

Shambu special secondary school
Arduino/C++ Robotics Developer

Apr 2021 – Aug 2024
Shambu, Ethiopia

- **Built Arduino-based robots using C++**, including line-following, obstacle-avoidance, and light-sensing projects.
- **Led the robotics division**, managing projects and organizing group meetings to share ideas and coordinate team efforts.
- **Mentored team members**, teaching basic C++ programming, robotics concepts, and problem-solving techniques.

Shambu special secondary school
Physics Tutor & Mentor

Apr 2021 – Aug 2024
Shambu, Ethiopia

- **Mentored students and preparing for national exams** - focusing on those at risk and helping them achieve significant improvements, with some reaching top marks.
- **Guided Learning** — Offered clear explanations and problem-solving strategies to make physics easier to understand.

LANGUAGES

Oromo — Native/Bilingual

Amharic — Fluent

English — Proficient

INTERESTS

Watching science-inspired films — I enjoy films that explore scientific discoveries and innovations, fueling my curiosity and helping me understand how science shapes the world. |

Participating in hackathon competitions — I love tackling real-world problems through coding challenges, collaborating with peers, and testing my skills under pressure. |

Reading books on science, psychology, and neuroscience — I enjoy exploring the human mind and behavior, uncovering hidden patterns, and deepening my curiosity for my future specialization. |

Playing piano for self-reflection — I play piano to express my thoughts and feelings, relax, and let my creativity flow.