

# 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.

- **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.

- **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.