

# Fraol Mulugeta Gezmu

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## 🎓 EDUCATION

### Addis Ababa University

Jul 2021 – Jun 2025 | Addis Ababa, Ethiopia

*BSc in Software Engineering (AI Stream)*

- Relevant Coursework: DSA, OOP, Database Systems, Operating Systems, Computer Architecture and Organization, Web and Mobile Development, AI and Machine Learning, Robotics, Networking, Social Network Analysis within 5 years of education.

### Africa to Silicon Valley (Backed by Google, Twice!)

Nov 2023 – Oct 2024 | Addis Ababa, Ethiopia

*Data Structure and Algorithm Student*

- Educated by A2SV (an NGO that upskills African students with a 1 year long education and connects with top tech companies).
- Solved 800+ problems on Both LeetCode and Codeforces consistently throughout the year.

## 👛 PROFESSIONAL EXPERIENCE

### Front End Development Internship

Mar 2024 – Jun 2024 | Addis Ababa, Ethiopia

*Africa to Silicon Valley (Backed by Google, Twice!)*

- Enhanced as a front-end web developer to a real-world project, SkillBridge—a tutorial app designed for 12th graders.
- Applied powerful front end technologies like Next.js and Tailwind CSS, achieving over 95% positive feedback from end-users.
- Adapted Clean Architecture principles to enhance code maintainability and testability during an intensive 3-month internship.

## 📁 PROJECTS

### Injera-mold Detection

Apr 2023 – Jun 2023

- Originated a custom dataset to train YOLOv8 for detecting mold on injera, improving model accuracy in identifying contaminated areas.
- Executed as a team of 3 to successfully meet project objectives.
- Improved food safety and ensures better quality control in traditional Ethiopian cuisine with an accuracy of 97%.

### "Lomi Bwerewr"

May 2023 – Jun 2023

- Inspired by an Ethiopian Epiphany tradition, a boy throws lemons at a girl who must dodge them to stay in the game.
- Completed it over a single night for a school project. This fun project combined cultural heritage with modern gaming.
- Evaluated with more than 20 players, allowing players to experience a unique Ethiopian custom.

### "HibirLink"

Jul 2024 – Jul 2024

- Engineered a one stop website enabling users to buy and sell items, participate in auctions and access to services from providers.
- Designed by A2SV to compete against 53 other groups in an internal hackathon, achieved a 3rd place.
- Partnered within a 5 members team to suffice goals of the project.

### Amharic-SignLanguage-Interpreter-AI

Aug 2023 – Sep 2023

- Built an innovative application that translates sign language into Amharic, utilising a custom dataset of 45 sign language words.
- Promoted inclusiveness and accessibility, empowering seamless interaction with an accuracy of 98%.

## 🧠 SKILLS

### Languages — Expert

Python, JavaScript, Java, HTML, CSS, TypeScript

### Frameworks & Libraries — Proficient

Node.js, React.js, Next.js, Express.js, Redux Toolkit, Tailwind CSS, Pygame

### Database Management — Proficient

MySQL, MongoDB Atlas

### Soft Skills — Expert

Growth Mindset, Persistence, Teamwork, Collaboration, Communication

### Version Control & Project Management — Expert

Git, Github, Jira, Trello

### Machine Learning Tools — Proficient

YOLOv8, RoboFlow

## 🏆 ACHIEVEMENTS

### A2SV - Hackathon

- Secured 3rd out of 54 groups teams in a 10-day A2SV Hackathon with the project of "HibirLink".

### EUEE - Result

- Top 0.2% out of 340,000+ students and among top scorers from Ethiopia in the University Entrance Examination.