

Fetsum Abyu

Electrical & Computer Engineering Student

❖ [Personal Website](#)

❖ [LinkedIn](#) ❖ [GitHub](#) ❖ [Leetcode](#) ❖ fitsumabyu914@gmail.com

EDUCATION

[Addis Ababa University](#) - Addis Ababa, Ethiopia

Sep 2019 - Dec 2025

Major: Electrical and Computer Engineering

- **Addis Ababa University:** Ranked **1st in Ethiopia and 6th in Africa**
- **Relevant Courses:** OOP, Digital Logic Design, Database, Data Structures and Algorithms, Computational Methods, Applied Mathematics

[Africa to Silicon Valley](#) - Addis Ababa, Ethiopia

Dec 2020 - Oct 2021

Major: Software Engineering

- A2SV upskills high-potential African students and creates digital solutions to urgent problems.
- A2SV has placed **60+ students at companies** such as **Google, Bloomberg, Databricks, Amazon, and LinkedIn** in the last 4 years.
- **Promoted to Head of Education at A2SV.**

EXPERIENCE

[Africa to Silicon Valley](#) - Addis Ababa, Ethiopia / Full-time

Feb 2022 - Aug 2024

Lead Software Engineer

- Leading Bazar, an AI-powered platform connecting users to services and products related to houses and cars.
- Golang, Node.js, MongoDB, OpenAI AP, Embeddings
- Working on two types of chatbots utilizing the OpenAI API:
 - Personal listing assistant chatbot for product listings
 - Product recommendation chatbot using embeddings for tailored suggestions

[Eskalate](#) - Accra, Ghana / Full-time

Oct 2022 - Feb 2022

Software Engineering Intern

- Worked on **EasyListing**, a platform that allows users to list products they want to sell and buy to see listings.
- Flutter, Jira, Slack, Git & Github, Clean architecture, CI/CD
- Mobile team member

[Africa to Silicon Valley](#) - Addis Ababa, Ethiopia / Full-time

Aug 2021 - Oct 2022

Head of Education

- Delivered lectures on DSA & Competitive programming using Python.
- My students secured internships: 2 at Bloomberg and 1 at Goldman Sachs.
- Led a team of 10 backend developers.
- Node.js, Flutter, Google Excel Sheets, Python Scripts, RESTful APIs, Firebase, MongoDB, MySQL

PROJECTS

AFROCHAT - <https://afrochat.app/>

- AfroChat is an AI platform for the African community, offering tools like Text-to-Image generation and AI personas.
- Backend developer on AfroChat, focused on LangChain NLP and RAG Artificial Intelligence systems.
- Developed AI features for image and speech recognition.
- Supported Telegram Bot integration for easy AI access.
- Tech stack: React.js, Node.js, MongoDB.

BAZAR - <https://bazar.a2sv.org/>

- Project Leader and Backend Team Member
- Node.js, MongoDB, OpenAI AP, Embeddings
- Implemented two types of chatbots utilizing the OpenAI API:

- Personal Listing Assistant Chatbot for product listings
- Product Recommendation Chatbot using embeddings for tailored suggestions

ATRONS - <https://atrons.app/>

- Led a team of 10 backend developers, in creating Atrons application using Node.js, focusing on enhancing the user experience for students.
- Optimized loading times, smoother interactions, and improved API performance.
- Awarded first place in a Competition by [Prof. Jelani Nelson](#) and [Ricardo Baeza-Yates](#).

SKILLS

- **Technical Skills:** Python, HTML (HTML5), CSS (CSS3), JavaScript, C++, TypeScript, SQL, Django, Bootstrap, Node.js, Go, Golang, Express, MongoDB, MySQL, REST, API Design, Flutter, Java, Slack, Jira, Git, GitHub, Bitbucket, Postman, Unit Testing, Integration Testing, relational database, non-relational database, algorithm design, algorithms
- **Soft Skills:** Teamwork, Leadership, Growth Mindset, Quick Execution, Strategy, Writing, Communication skills, Collaborate, Decision Making, Continuous Learning, Compliance, Collaborative

INTERESTS

- *I highly enjoy: Problem-solving and Competitive programming (Solved over 700 problems on Leetcode), Morning runs (Run over 12 kilometers every weekend), Hiking, Anime, Backend Development, Music, Computer science, computer vision, Research, Statistics, machine learning, deep learning, data science*