

Fetsum Abyu

Electrical & Computer Engineering Graduate

❖ [LinkedIn](#) ❖ [GitHub1](#) ❖ [GitHub2](#) ❖ [Leetcode](#) ❖ fitsumabyu914@gmail.com

PROFILE

Electrical and Computer Engineering graduate from Addis Ababa University, an educator, and a competitive programmer with 4+ years of experience in working on production software.

EDUCATION

[Addis Ababa University](#) - Addis Ababa, Ethiopia Sep 2019 - Expected July 2026
B.Sc. in Electrical and Computer Engineering

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

[Africa to Silicon Valley](#) - Addis Ababa, Ethiopia Dec 2021 - Oct 2022
Software Engineering Program

- Selected for an elite software engineering program that 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

[SuitSolutionsGroup\(SSG\)](#) - Remote / Full-time Oct 2024 - Present
Software/AI Engineer

- Built [FinanceIQ](#), an AI-driven financial analytics platform
- Engineered scalable microservices and integrated large language model (LLM) features (semantic search, recommendations, AI-cfo chatbot)

[Africa to Silicon Valley](#) - Addis Ababa, Ethiopia / Full-time Feb 2023 - Oct 2024
Lead Software Engineer

- Golang, Node.js, MongoDB, OpenAI API, Embeddings
- Worked on two types of chatbots utilizing the OpenAI API:
 - Personal listing assistant chatbot for product listings
 - Product recommendation chatbot using embeddings for tailored suggestions
- Led a team of 10 developers and delivered Data Structures & Algorithms workshops, guiding students toward internships (e.g., 2 at Bloomberg, 1 at Goldman Sachs).
- Node.js, Flutter, Google Excel Sheets, Python Scripts, RESTful APIs, Firebase, MongoDB, MySQL

PROJECTS

FinanceIQ - tryfinanceiq.com

- Project lead for an AI analytics tool. Developed REST APIs and dashboards for financial KPIs; implemented NLP modules for natural-language financial queries.
- Designed forecasting and variance analysis features for financial planning

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

- Backend developer on an AI social platform. Created LangChain NLP pipeline for text/image generation and a Telegram bot.
- Tech stack: React.js, Node.js, MongoDB.

ATRONs

- Awarded first place in a competition by [Prof. Jelani Nelson](#) and [Ricardo Baeza-Yates](#).
- Led a team of 10 backend developers in creating Atrons' application using Node.js.

SKILLS

- **Technical Skills:** Python, C++, Java, JavaScript/TypeScript, Go, Node.js, React, Flutter, MongoDB, MySQL, PostgreSQL, AWS, GCP, Docker, REST API design, Data Structures & Algorithms (700+ LeetCode problems), Machine Learning (NLP, embeddings)
- **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*