Fetsum Abyu

Electrical & Computer Engineering Student

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Linkedin / Leetcode / GitHub

PROFILE

I'm a dedicated Software Engineer with experience in leading projects and teaching at Africa to Silicon Valley. I've helped students get internships at companies like Goldman Sachs and Bloomberg. Skilled in building chatbots and improving backend systems, I solve real problems and make systems work better. From a small village in Ethiopia, I've overcome many challenges to get here. Now, I'm looking for an opportunity at Goldman Sachs to show my skills through an interview.

EXPERIENCE

Project Lead – *Feb 2024 - Present*
Africa to Silicon Valley / Addis Ababa / Full-time
- Project Leader for Bazar 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

Software Engineering Intern – *Oct 2023 - Feb 2024*
Eskalate / Accra, Ghana
- Project leader for the EasyListing project.
- Worked closely with the product & UI/UX team.
- Mobile team member.
- Flutter, Jira, Slack, Git & Github, Clean architecture, CI/CD.

Head of Education – *Aug 2022 - Oct 2023*
Africa to Silicon Valley / Addis Ababa / Full-time
- 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.

EDUCATION

Coding Bootcamp – *Dec 2020 - Oct 2021*
Africa to Silicon Valley
- A2SV upskills high-potential African students and creates digital solutions to urgent problems in their home countries.
- A2SV has placed **50+ students at companies** such as **Google, Bloomberg, Databricks, Amazon, and LinkedIn** in the last 4 years.
- **Promoted to Head of Education at A2SV.**

Electrical and Computer Engineering – *Sep 2019 - July 2025*
Addis Ababa University

- **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

PROJECTS

ATRONS, Learning Together
- Led a team of 10 backend developers, in creating Atrons application using Node.js, focusing on enhancing the user experience for students.
- Resulted in faster loading times, smoother interactions, and improved api performance.
- Awarded first place in a Competition by prof. Jelani Nelson and Ricardo Baeza-Yates.

Bazar, Services You Trust, Products You Love!
- 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

SKILLS

Technical Skills:
- Python | HTML (HTML5) | CSS (CSS3) | JavaScript | C++ | TypeScript | SQL | Django | Bootstrap |Node.js | Express| Mongo DB | MySQL | REST | Api Design | Flutter | Java | Slack | Jira | Git | GitHub | Bitbucket | Postman | Unit Testing | Integration Testing | relational database | non-relational database | algorithm design

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