Fetsum Abyu

Computer Engineering Student

❖Personal Website
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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 2024 - Present**
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 2023 - Feb 2024**
Software Engineering Intern
- Worked on **EasyListing**, a platform that allows users to list products they want to sell and buys 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 2022 - Oct 2023**
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

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, 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
- **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*