

Tewodros Anteneh Merid

ECE Student | Backend & Automation Developer

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 linkedin

Education

Bachelor of Science in Electrical and Computer Engineering, 02/2023 – Present
Addis Ababa Science and Technology University Addis Ababa, Ethiopia

- Relevant Coursework: Object-Oriented Programming (Java), Fundamentals of Programming (C++)

Backend Web Development with Django, Google Developers Club 12/2024 – 06/2025
• Relevant Coursework: Django, REST API Addis Ababa, Ethiopia

Skills

Programming Languages

Python, JavaScript/TypeScript, Java, SQL

Frameworks & Libraries

Django, Fast API, NextJS

Developer Tools

Docker, Git, GitHub Actions, Postman, VS Code

Automation Tools

N8N, Zapier

Professional Experience

Backend Developer, AhaduMarket (Startup) 09/2025
• **Built and architected** a production-ready e-commerce backend with secure REST APIs, JWT auth, Oauth2, and full order & user management.
• **Implemented scalable systems** using WebSockets, Celery, Redis caching, and optimized serverless PostgreSQL.
• **Deployed and automated** the backend with Docker, Fly.io, GitHub Actions CI/CD, and Grafana monitoring.

Projects

MediHelp Plus, Django | PostgreSQL | Docker | Google Gemini API integration | hybrid AI model implementation

- Developed MediHelp, a comprehensive healthcare platform enabling patients to access medical resources, symptom checking, doctor consultations, and educational content for informed healthcare decisions.
- Implemented AI-powered symptom checking using Google Gemini API with multilingual support (Amharic/Oromo/Tigrinya).

Terminal Chat, Java | Sockets | Multi-threading | Encryption

- Developed a client-server chat system supporting 20+ concurrent users with private messaging and message history.
- Implemented socket-based networking and multi-threading for real-time communication.

Awards

AASTU Tech Fest 2025 Hackathon – First Place Winner, Google Developers Group

03/06/2025

- Developed MediHelp Plus, a healthcare platform, securing first place among competitors.
- Led and collaborated with a 9-member team to design and implement core functionalities, integrating healthcare resources, AI-powered symptom checking, and doctor consultation features.

Silver Honour, IYMC

26/11/2024

- Awarded Silver Honour in the 202 International Youth Math Challenge, with good performance among participants worldwide for mathematical excellence.

Nationwide Top Scorer, IYMC

26/11/2023

- Achieved the highest score in Ethiopia in the final round of the International Youth Math Challenge.