



Biniyam Getachew *Software Engineer*

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🐙 Github 📠 Telegram

• Backend Development

Proficient in designing and developing scalable RESTful APIs and high-performance backend systems using Django and FastAPI.

• Database Design

Skilled in designing efficient schemas, indexing strategies, and performance tuning for MongoDB and PostgreSQL.

• Frontend Developer

Skilled in building responsive and scalable user interfaces using React and Redux.

• AI Developer

Capable of building intelligent systems using machine learning and LLM-powered architectures. Experienced with Scikit-learn for classical ML models and LangChain for developing Retrieval-Augmented Generation (RAG) applications.

💼 PROFESSIONAL EXPERIENCE

Software Engineer, *Gada Special Economic Zone Authority* 🔗

06/2025 – 09/2025

Adama , Ethiopia

Served as a Full-Stack Developer at Gada Special Economic Zone, where I built a service-promotion and blogging platform to showcase offerings and receive international orders and investment inquiries.

Software Enginner, *Ethronics PLC* 🔗

06/2024 – 09/2024

Adama , Ethiopia

Served as a Junior Backend Engineer at Ethronics PLC, contributing to the backend development of an institutional e-learning platform using Django framework.

🌐 LANGUAGES

English



Amharic

🎓 EDUCATION

Adama Science and Technology University 🔗 ,

B.Sc. Computer Science and Engineering

05/2022 – 06/2026 | Adama , Ethiopia

Coursework : C++ Programming | Data Structures & Algorithms | Design & Analysis of Algorithms | Database System | Data Communication | Object Oriented Design | Web Programming | Computer Architecture | Operating Systems | Distributed System | Machine Learning | Artificial Intelligence | Natural language Processing | Parallel Programing | Blockchain system.

🧠 SKILLS

Languages: Python, C++, Java, JavaScript , Typescript , SQL

Frameworks & Libraries: Django , FastAPI, Next.js, React.js , Redux , Tailwind CSS , Scikit-Learn , Pytorch , Tensorflow , OpenCV , Keras , Langchain , Langsmith , Numpy , Pandas

Databases: MySQL, MongoDB, PostgreSQL, SQLite

Cloud / Tools: Docker, Git & GitHub, CI/CD , MongoDB Atlas , Figma , Visual Studio Code , Cursor AI , Jupyter Notebook

📁 PROJECTS

Afri Verify 🔗 , *AI-Powered AfCFTA Compliance Assistant*

12/2025 – 02/2026

- Developed an AI-driven trade compliance platform using React, FastAPI, and a custom RAG pipeline.
- Automated AfCFTA Rules of Origin assessments through real-time document verification and eligibility calculations.
- Streamlined cross-border trade operations by generating verified digital Certificates of Origin.

Product Tracking App 🔗 , *inventory tracker with CRUD operations*

10/2025 – 12/2025

- A small full-stack project for managing products (id, name, description, price, quantity).
- The FastAPI backend provides REST APIs to create, view, update, and delete products using SQLAlchemy.
- The React frontend consumes these APIs to show the product list with simple search/filtering and sorting for easy tracking.

🔑 INTERESTS

Gym — Enjoy Calisthenics Activities

Reading — Religious and Fictions

Geopolitics — Exploring about our worlds kinematics

🔗 REFERENCES

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