Habtewold Degfie Worku

Full-Stack Developer

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Education

Bsc in Software Engineering, *Addis Ababa University*   02/2023 – present

Relevant Courses

Web Design and Development, Object oriented Programing, Data structures and algorithm, Fundamentals of Database, Fundamentals of networking, Fundamentals of software engineering, Application evelopment, Fundamentals of Ai and Cybersecurity

Skills

Technical-Skill :
- **Languages**: Python, Java, JavaScript, Kotlin, Dart
- **Frameworks & Libraries**: Flutter, React, NextJS, Express.js, Jetpack Compose,
- **Databases**: MySQL, MongoDB, PostgreSQL, Firestore
- **Backend**: Node.js, FastAPI, TypeScript, Firebase, Express.js

Tools and platforms :
- **Development Tools**: Visual Studio Code, Android Studio, GitHub
- **Version Control**: Git
- **Containerization**: Docker, Docker Compose
- **Project Management**: Jira

Soft Skill :

Communication Skills, Teamwork and Collaboration, Problem-Solving, Adaptability, Time Management, Leadership, Interpersonal Skills, Creativity and Innovation.

Projects

E-Learning Platform   12/2025 – 02/2026
Role: Full-Stack Developer (Flutter, FastAPI, RAG)
Developed comprehensive e-learning mobile application with **role-based access control**. Built **course creation system** with content uploads and enrollment workflow. Implemented **examination module** with automated grading and analytics. Created **live classroom feature** with real-time streaming. Integrated **push notification system** for updates. Developed **analytics dashboard** for performance insights. Added **AI-powered assistant** using **RAG** for contextual learning support.

Real Time messaging App   06/2025 – 07/2025
Role: Full-stack Developer(Flutter, Node.js, Socker.io)
Built a **real-time chat application** using **Flutter** (frontend) and **Node.js with Socket.IO** ⧉ (backend). The app supports sending **text and image messages**, with core chat features including **edit**, **delete**, **reply**, and **forward**.

Restaurant Management System   07/2025 – 07/2025
Role: Full-Stack Developer (Next.js, TypeScript, Firebase)
Developed a **full-stack Restaurant Management System** using **Next.js, TypeScript**, and **Firebase** (Auth, Firestore). The app features a customer ordering system with menu categories, cart, checkout, and **real-time order tracking**. Built an **admin dashboard** for managing menu items, categories, orders, reviews, and analytics. Implemented **role-based authentication** with **Firebase Auth** and integrated **Stripe** and **PayPal** for secure payments. Used **Cloudinary** for image management.

Tour App   05/2025 – 06/2025
Role: Full-Stack Developer (Mobile & Web)
Built a tour booking app using **Flutter and Firebase** with **real payment integration (Chapa, SantimPay).** Features include tour package browsing/purchase, **in-app and push notifications (Firebase)**, and dashboards for companies and admins. Admin panel is available on **both mobile and web** with full feature parity.

Movie Search Website   04/2025 – 07/2025
Role: Full-Stack Developer (React, Node.js)
Built a movie search and discovery app using the **TMDB API**, with features including **favorites**, **watchlist**, and **commenting**. Integrated a **chatbot** that suggests movies based on genre, title, release date, and user preferences.

Gym Management App   04/2025 – 05/2025
Role: Developer
Developed a **Gym Management Application** for Android using **Kotlin** and **Jetpack Compose**. The app enables gym staff to manage members efficiently by assigning personalized workout plans, listing upcoming gym events, tracking trainee progress, and viewing detailed member profiles. Focused on building an intuitive user interface and implementing core functionalities to support gym operations digitally.