

# Tesfamichael Abebe

## Full-Stack Software Engineer

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### EDUCATION

#### Bs.c in Software Engineering, Addis Ababa University(Top 10 university in Africa) 📄

02/2023 – 06/2027  
Addis Ababa, Ethiopia

Relevant Coursework:

- Core Computer Science: Data Structures & Algorithms, Operating Systems, Database Systems, Computer Networking.
- Software Engineering: Object-Oriented Design, Distributed Systems.
- Applied: Web Development, Mobile App Development, Machine Learning.

#### Applied GenAI, Epic institute of Technology 📄

09/2025 – 06/2026

Relevant Coursework: Mathematics & Statistics, Data Structures & Algorithms, Advanced Programming Languages, Data Science

#### Full Stack Development, The Odin Project

07/2024 – 01/2025

Comprehensive web development program covering modern JavaScript frameworks and backend technologies.

### PROFESSIONAL EXPERIENCE

#### Frontend Engineer Intern, Chapa Financial Technologies 📄

08/2025 – 11/2025  
Addis Ababa, Ethiopia

- Contributed to the development and launch of [Chapa Events](#) 📄, enabling merchants to create and manage paid events within Chapa's ecosystem.
- Built key frontend features for [Chapa Donations](#) 📄, improving online fundraising workflows for individuals and organizations.
- Collaborated with backend and product teams to enhance the [Merchant Dashboard](#) 📄 .focusing on performance, usability, and scalability.

#### Software Engineer Intern, Gebeya inc 📄

07/2025 – 10/2025  
Addis Ababa, Ethiopia

- Developed and maintained REST APIs for internal CRM and platform optimization tools.
- Built backend services for internal systems including leave management and project tracking.
- Implemented secure authentication and authorization using **Keycloak**, supporting Single Sign on and role-based access across internal applications.

#### Mentor, GDG Addis Ababa University 📄

11/2024 – 07/2025  
Addis Ababa, Ethiopia

- Mentored **50+ computer science students** in backend development using Node.js and JavaScript.
- Delivered weekly workshops on API design, database modeling, and server side architecture.
- Supported students through real world project development and debugging sessions.

### SKILLS

- Programming Languages: TypeScript, Python, Java, Kotlin, Dart
- Frontend: React, Next.js, Tailwind CSS
- Backend: NestJS, Node.js, Express.js, RESTful APIs
- Mobile Development: Flutter, Jetpack Compose (Kotlin)
- Databases: MongoDB, PostgreSQL, MySQL, Firebase Realtime DB
- Cloud & Tools: Firebase, Supabase, Git, GitHub, jira
- Development Practices: Agile

### PROJECTS

#### Pilot\_Preparation\_App\_Flutter 📄, Technologies: Flutter, Dart, NestJS, MongoDB

05/2025 – 06/2025

- Developed a cross-platform mobile application for Ethiopian Airlines pilot exam preparation.
- Built an admin dashboard managing **200+ questions** and study resources.
- Implemented end-to-end performance analytics for tracking user progress.

#### Knowledge\_Playlist 📄, Technologies: React, TypeScript, Vite, MongoDB, TailwindCSS

03/2025 – 03/2025

- Built a distraction-free learning platform for organizing personalized study paths.
- Implemented responsive UI using React, TypeScript, Tailwind CSS, and shadcn-ui.
- Integrated YouTube content embedding and progress tracking with full mobile responsiveness.

#### Education\_Platform\_Backend 📄, Technologies: NestJS, MongoDB, OpenAI API

12/2024 – 01/2025

- Designed and implemented a scalable backend serving **1000+ users** with student, teacher, and admin roles.
- Built **45+ REST APIs** across modules including courses, notes, flashcards, resources, and analytics.
- Integrated **OpenAI API** for automated note summarization and AI-powered learning tools.
- Implemented PDF processing and resource management handling **500+ documents**.

### CERTIFICATES

- [Microsoft Azure Fundamentals](#) 📄
- [Frontend web development](#) 📄
- [Complete Intro to Computer Science](#) 📄

### LANGUAGES

Amharic ● ● ● ● ● English ● ● ● ● ●  
Arabic ● ● ● ● ●