

# Tedros Tigabu

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Addis Ababa, Ethiopia

## EDUCATION

**Debre Tabor University** Debre Tabor, Ethiopia  
*Bachelor of Science in Information Technology – GPA: 3.28/4.0 — Exit Exam: 70%* 2021 – 2025

## TECHNICAL SKILLS

**Mobile Development:** Kotlin (Native Android), Flutter, Dart, Android SDK, Jetpack Components

**Languages:** Kotlin, Dart, JavaScript, Java

**Frontend Development:** HTML, CSS, JavaScript, React, Next.js, Material Design

**Backend & Database:** Node.js, Firebase (Firestore, Authentication, Storage, Realtime Database)

**Developer Tools:** Android Studio, VS Code, Git, GitHub, Firebase Console

**Architecture & APIs:** MVVM, RESTful APIs, Phone State Detection, Audio Recording APIs

## PROJECTS

**Call Center Recording & Management System** | *Kotlin, Firebase, JavaScript* 2025

- Developed comprehensive call recording solution for call centers without VoIP infrastructure using native Android (Kotlin)
- Implemented automatic call detection using Android PhoneStateListener and CallScreeningService with background service for seamless call recording
- Built real-time statistics dashboard in mobile app displaying call metrics, duration analytics, and agent performance data
- Created centralized admin web dashboard to monitor all answered calls with advanced filtering by date, agent, and call status
- Integrated secure audio playback functionality for quality assurance reviews and legal compliance documentation
- Utilized Firebase Firestore for real-time data synchronization across devices and Firebase Storage for scalable cloud storage of call recordings
- Implemented role-based authentication system with Firebase Authentication separating agent and administrator access levels

**University Cost Sharing Application** | *Flutter, Firebase, Dart* 2024 – 2025

- Developed full-stack mobile application for university cost-sharing submission and management as final year project
- Implemented user authentication and real-time database synchronization using Firebase
- Designed intuitive UI/UX for seamless student application submissions with Material Design principles
- Built responsive cross-platform interfaces ensuring compatibility across Android and iOS devices

**Additional Personal Projects** | *Flutter, Kotlin, Next.js, Node.js* 2023 – Present

- Created multiple mobile applications using both Flutter and Kotlin for various use cases
- Developed web applications using Next.js and Node.js with modern responsive design

## CERTIFICATIONS

**CS50: Introduction to Computer Science** HarvardX  
*Comprehensive course covering algorithms, data structures, web development, and software engineering* 2025

## VOLUNTEER EXPERIENCE

**Volunteer** 2021 – 2025  
*Red Cross - University Community* Debre Tabor University

- Actively participated in community service initiatives and humanitarian projects
- Collaborated with team members to organize and execute charitable events on campus

## LANGUAGES & SOFT SKILLS

**Languages:** Amharic (Native), English (Intermediate)

**Soft Skills:** Problem-solving, Team Collaboration, Quick Learner, Hardworking, Calm Under Pressure