

Mohamed Abdullah

Full Stack Developer · Mobile & Web · India · Graduated May 2026
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EXPERIENCE

Freelance Developer

Feb 2026 – Apr 2026

Remote

- Delivered Hostel Management System with role-based Admin and Student portals using Flask, PostgreSQL, and Tailwind CSS
- Built and delivered FloraFind plant identification app for a client's academic project, integrating Gemini 2.5 Flash with toxicity detection
- Developed Attendance Tracker mobile app with three-role RBAC (Student, Staff, Admin) using Firebase real-time database

PROJECTS

AI Chatbot Platform

- Full-stack AI SaaS with multi-modal inputs (text, voice, camera) using Next.js 15, Supabase, and Gemini 2.5 Flash with streaming via Vercel AI SDK
- Integrated Stripe with tiered subscriptions, automated usage limiting, and webhook-based feature gating

AI Expense Tracker

- Deployed to 50+ active users — NLP-powered expense logging converting natural language to structured financial data, cutting entry time by 60%
- Built interpersonal debt-tracking with bi-directional net balances across Split, Lend, and Borrow using React Native and Expo

TypeMaster – Real-Time Multiplayer Typing

- WebSocket-based multiplayer arena using Socket.IO, Node.js, and Express with live room creation and real-time progress sync
- Engineered Neural Heatmap tracking keystroke latency and error rates to generate adaptive drills targeting user-specific weaknesses

Noor Quran – Tamil Quran Mobile App

- Built cross-platform Quran app in Flutter targeting 20M+ Tamil-speaking Muslims across India, Sri Lanka, and Malaysia with offline-first architecture
- Integrated GPS-based prayer times, real-time audio recitation, voice search with 4-step NLP matching, and unique Taraweh Mistake Marker feature

VedaScan – AI Food Analysis

- Multi-modal nutrition platform using Gemini 2.5 Flash for computer vision food analysis with AI-detected bounding boxes and coordinate mapping
- Offline-first architecture with Firebase and AsyncStorage, biometric engine using Mifflin-St Jeor equation for personalized TDEE targets

EDUCATION

The New College

Bachelor of Computer Applications (BCA)

July 2023 – May 2026

SKILLS

Mobile: React Native, Expo, Flutter, Dart, TypeScript, React Navigation, AsyncStorage

Web & Backend: Next.js, React, Node.js, Express, Socket.IO, Flask, REST APIs

Database & Cloud: Firebase, Supabase, PostgreSQL, SQLite, Vercel, Firestore

Languages: TypeScript, JavaScript, Python, Dart, Java

AI & Tools: Gemini, OpenAI, Stripe, Git, TanStack Query, Tailwind CSS, Riverpod