Md Tofaal Ahmed

Full-Stack & Mobile Application Developer
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Profile

Full-stack and mobile developer with **4+ years** of experience. **20+ web projects** and multiple published mobile apps, delivered end to end from API design and backend services through to polished, animated interfaces.

Skills

Languages: TypeScript, JavaScript, Python, Go, C++

Technologies & Tools:

- **Frontend:** Next.js, TanStack Start, Vite, Tailwind CSS, Shadcn UI, GSAP, Framer Motion
- **API Integration:** Axios, TanStack Query, TanStack Form, Next.js Server-side, Zod, React Hook Form
- **iOS / Android:** React Native (Expo), NativeWind, MMKV, Shopify FlashList, Zustand
- **Backend:** Go, NestJS, Express.js, Prisma, PostgreSQL, MongoDB, Argon2, Passport.js
- **Others:** LangChain, LangGraph, WebSockets, Socket.IO, WebRTC, Docker, Redis, GitHub, Vercel

Experience

- **Software Developer**, Ongshak — *ongshak.com*
  Frontend and mobile application developer building client-facing web platforms and React Native apps; own UI architecture, API integration, and release delivery.
- **Co-Founder**, 2 Devs — *2devs.net*
  Two-person studio that designs, builds, and operates software for small businesses: full-stack web, server and email infrastructure, and process automation. Built and maintain **Kokkhopath**, an education platform for coaching centres and schools, now serving **4+ paying customers**.
  Demo: kokkhopath.2devs.net Clients: sunflowerkg.com, raphysicsedu.com, physicsmaniasiam.com

Open Source

- **manchitro**: Interactive Bangladesh district SVG map for React, Next.js, and TanStack; published on npm under MIT (v2.1). npm Live demo

Projects

Web Projects *(20+ delivered, selected work)*

- **ClassConnect**: Class management app idea for the IEEE RU SB WIE poster showcase. Live site Poster
- **Discover Thailand AI**: AI-assisted travel discovery platform for Thailand. discoverthailand.ai
- **Steeltech Industries**: Corporate site for a 20-year-old stainless steel pipe manufacturer. steeltech-bd.com
- **Drishti**: Platform for an assistive-tech venture building smart canes for the visually impaired. drishti.today
- **RMG Angels**: Angel investment network for early-stage startups in Bangladesh's garments sector. rmgangels.com
- **PoP Water Tower**: Site for a zero-energy water harvesting system serving remote hill communities. popwater.org
- **Ra Physics**: Coaching platform for HSC Physics students. raphysicsedu.com

App Projects

- **Ra Physics (Android)**: Published HSC Physics learning app, live on Google Play. Google Play
- **Steeltech Marketing Representative App**: Field app for marketing representatives and fabricators to manage orders and reporting. hos.ongshak.com
- **Up & Pro**: Spoken English course app: "Speak English Fluently in Just 3 Months". Drive Link
- **Movie Finder (React Native)**: Browse and search movies using the TMDb API. Drive Link
- **Compost It**: On-demand waste pickup app; riders collect household waste for composting. Drive Link

Education

University of Rajshahi — **Currently Enrolled**
B.Sc. in Computer Science and Engineering — *Session: 2022-2023*
Higher Secondary (HSC) GPA: 5.00 Secondary School (SSC) GPA: 5.00

Achievements

- **Winner**: BRAC AI Hackathon 2025 (Manufacturing: process optimisation, automation, quality control)
- **Runner-up**: Learnathon 3.0 by Geeky Solution