

# Abdullah Miraz

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[github.com/abdullahmiraz](https://github.com/abdullahmiraz) [miraz.dev](https://miraz.dev)

## 💡 Objective

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Passionate software engineer skilled in full-stack development, driven by curiosity and continuous learning. Focused on solving complex problems and delivering high-quality, scalable solutions to real-world challenges.

## 📁 Professional Experience

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- **Associate Software Engineer (Remote) – KumoDevs** *January 2025 – Present*
  - Re-engineered the company’s portfolio website using Next.js, Framer Motion, and ShadCN, and integrated an MDX-powered blog for content flexibility.
  - Lead development of dynamic web experiences with GSAP and Framer Motion; currently building web scraping tools for automation.
  - Designed and maintained scalable projects using PostgreSQL, Supabase, and Shopify for e-commerce and content-driven platforms.
- **Junior Full Stack Developer – ATI Limited** *June – December 2024*
  - **UMCH-EMR:** Developed a prescription management system with doctor-specific templates, patient history, dashboards, and dynamic print options.
  - **My-Kitchen:** Built a kitchen seller platform with React (Next.js & ShadCN), advanced carousels, and optimized loading.
  - **SFMS:** Created UI for fertilizer stock management for Bangladesh’s government, handling filtered data fetching and tracking hierarchies using Next.js, Redux, and React Query.
  - **Her Power:** Developed modules for registration, seller setup, and checkout for a government platform empowering women entrepreneurs, using Next.js (TypeScript) and PHP.
- **Software Developer Intern – Code Elevate Tech** *May – June 2024*
  - Developed and optimized Next.js CRUD applications and SPAs, adhering to industry best practices.

## ✂️ Technical Skills

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**Languages & Tools:** JavaScript, TypeScript, Python, C++

**Front-End:** React.js, Next.js, Redux, Tailwind CSS, Material UI, Ant Design, Framer Motion, GSAP

**Back-End:** Node.js, Express.js, MongoDB, MySQL, PostgreSQL, Prisma, API Design, Authentication

**DevOps & Others:** Docker, Git, Postman, Firebase, Puppeteer, Netlify, Vercel, cPanel

**Additional:** Figma (Design), Stripe, SSLCommerz (Payments)

## 📁 Projects

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- **Medibuy** — *AI-Assisted Online Medicine & Prescription Ordering Platform* [🔗 Git](#) [🔗 Live](#)
  - Built a full-stack e-commerce platform for ordering medicine online, with AI-assisted symptom checks and prescription reading, backed by a 200+ product catalog.
  - Designed a bring-your-own-key (BYOK) cost model, keeping AI API keys client-side and out of the database entirely.
  - Used Postgres full-text search for product discovery instead of the LLM path to cut cost and latency; validated checkout and auth with a 65-test Playwright E2E suite.

**Stack:** Next.js 16, TypeScript, Drizzle ORM, PostgreSQL (Neon), Firebase Auth, SSLCommerz, Playwright, Tailwind CSS
- **MindStore AI** — *RAG-Powered Knowledge Base for Chatting with Your Own Documents* [🔗 Git](#) [🔗 Live](#)
  - Built a RAG app that answers questions from a user’s own uploaded PDFs, text, or Markdown.
  - Implemented local document embeddings via Transformers.js, avoiding a paid embeddings API.

– Designed cosine-similarity retrieval and streamed AI answers to the client over a hand-written SSE parser.

**Stack:** Next.js, TypeScript, PostgreSQL (Supabase), Transformers.js, OpenAI, Tailwind CSS

• **RxPro** — *Clinic Prescription & Patient Workflow Management System* [🔗 Git](#) [🔗 Live](#)

– Rebuilt a clinic’s prescription and appointment workflow from scratch, including print-ready 12-section prescriptions.

– Designed a deliberately swappable data layer — SQLite for local development, Supabase-ready by design for production.

– Implemented patient and appointment management with TanStack Query and React Hook Form + Yup validation.

**Stack:** Next.js 16, TypeScript, TanStack Query, React Hook Form, Yup, SQLite, Tailwind CSS, shadcn/ui

• **Code Snippets Manager** — *AI-Assisted Snippet Manager with Prompt-to-Code Generation* [🔗 Git](#) [🔗 Live](#)

– Built a snippet manager with an AI generator that turns a plain-English prompt into titled, tagged, syntax-highlighted code.

– Designed Supabase-backed storage with tokenized shareable links and a copy counter.

– Implemented graceful degradation and defensive parsing across all AI-dependent API routes.

**Stack:** Next.js 16, TypeScript, Supabase, OpenAI, Tailwind CSS, shadcn/ui

• **Pulse Analytics** — *Real-Time Analytics Dashboard with Interactive Data Visualization* [🔗 Git](#) [🔗 Live](#)

– Built a real-time analytics dashboard with five chart types, date-range filtering, and CSV export.

– Designed a deterministic mock-data engine for consistent, demo-ready metrics with no database dependency.

– Implemented custom in-memory rate-limiting middleware across all API routes.

**Stack:** Next.js 16, TypeScript, Recharts, Tailwind CSS, shadcn/ui

• **Autism Insight** — *Full-Stack Autism Screening Platform with a Custom-Trained CNN* [🔗 Git](#) [🔗 Live](#)

– Built a full-stack autism-screening prototype with questionnaire-based screening, user accounts, and an admin review layer.

– Paired the app with a separate FastAPI service running a custom-trained PyTorch CNN for image- and video-based classification.

– Documented real engineering tradeoffs (synchronous file I/O, open CORS) as a prototype exercise rather than a finished clinical tool.

**Stack:** Next.js, FastAPI, PyTorch, Firebase, MongoDB

## 📁 Contests & Problem Solving

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• Solved **500+** challenges on [Codeforces](#), [Beecrowd](#), [Hackerrank](#), [LightOJ](#), and participated in 50+ contests (online and offline).

• **Notable Contests:**

– Intra-University Programming Contest, IUBAT: Summer 2022, Fall 2021

– [UITS Collaborative Programming Contest](#), 3rd place

– Honorable Mentions: [2021 ICPC Asia Dhaka Regional Preli](#), 2023

– [Code Samurai 2024](#): Advanced to 2nd Round (Optimized System & API for DNCC dump yards)

– [IUT OpenAPI 2024](#): 6th place, developed map system and travel app

## 🎓 Education

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**M.Sc in Software Engineering**

Moscow State Technological University "STANKIN"

**September 2026 – Present**

**Moscow, Russia**

**B.Sc in Computer Science & Engineering**

International University of Business Agriculture and Technology

**2024**

**Grade: 3.65/4.00**

## ★ Extra-Curricular Involvement

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• **Programming Mentor:** Guided students in campus programming, fostering collaboration.

• **Hult Prize Event Coordinator:** Led logistics for successful event execution.

• **Team Mentoring:** Guided teams in local and online contests and hackathons.

• **Essay Writing:** [Champion](#) of the 2024 University Essay Writing Competition on IUBAT’s founder.