

# Raufun Ahsan Full-Stack Web Developer

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Computer Science Major | Full-Stack Developer | Android Developer | Competitive Programming Enthusiast

## Professional Experience

2024 Jun – 2024 Nov **Full-Stack Developer Intern, Brainerly IT** 📍 Khulna, Bangladesh

- Spearheaded the development of a web app using Laravel and Next.js
- Oversaw database design, a PC builder, advanced product filtering, an admin panel, and stock management.
- Implemented Docker for containerization and managed deployment to production.

## Projects

2025 Feb – 2025 Jul **Serenite: A Private & Intuitive Online Support Group System, FastAPI, NextJS, LangGraph** 📍

- Multi-layered Authentication: NextAuth with JWT strategy, database sessions, 2FA
- Intelligent Mental Health Assessment with 7 domain clinical assessment
- Smart Group Matching: AI-powered support group recommendations
- Secure Video Conferencing with End-to-end encrypted messaging during sessions
- Multimodal AI Agent Chat with Voice-to-text and emotion detection from face/audio
- Interactive Wellness Tools for instant stress relief with preset techniques

2025 May – 2025 Jun **Biggan Mela - A complete platform learning science, FastAPI, NextJS, Langchain** 📍

- Interactive 3D virtual simulations of various physics experiments
- Hands-on explanation and simulation of difficult algorithms
- Interactive stories for children learning science
- Doubt solving using image analysis and AI
- Analysis of image and audio data for recognizing species and identifying endangered species
- Agentic fact-checking chatbot for scientific accuracy
- Online science quiz and SMS quiz

2025 May – 2025 May **SynapseEd - Next-Gen AI-Powered Learning Platform, FastAPI, NextJS, LangGraph, LangChain** 📍

- Dynamic lecture planning, content summarization, class-chat AI
- Progress analytics, performance insights through AI
- Uploading class content; AI generates MCQs with options, answers, hints, and solutions
- Customizable and cheat-proof exam taking platform leveraging eye tracking, copy-paste and keystroke protection
- Interactive and collaborative digital whiteboard with instant charts generation and AI summary
- Real-time oral exam simulation, AI verbal response & feedback

2025 Jan – 2025 Jan **Kothakoli - Sophisticated Bengali and Banglish AI platform, FastAPI, NextJS** 📍

- A sophisticated AI chatbot capable of translating Banglish to neat Bangla
- Voice chat, PDF generation support.
- Context aware response

2024 May – 2024 Aug **Eksathe - Intuitive Collaboration platform, Laravel, React, Inertia** 📍

- Real time chat functionality
- Single and group chats
- Media sharing
- Blocking/Unblocking user
- Containerized using docker and hosted in a VPS server

## Skills

Laravel, React, NextJS, Git/GitHub, Docker, GitHub Workflows, FastAPI, Langchain/LangGraph

## Education

2022 Mar – present **B.Sc in CSE, Khulna University of Engineering and Technology** 📍 Khulna, Bangladesh

2018 Jul – 2020 Jul **HSC, Notre Dame College** 📍 Dhaka, Bangladesh

2008 Jan – 2018 Jun **SSC, Monipur High School and College** 📍 Dhaka, Bangladesh

## Organizations

2024 Aug – present **Bit2Byte, KUET, Mentor, Treasurer** 📍

2023 Jul – 2024 Jul **SGIPC, KUET, Assistant Organizing Secretary** 📍

## Awards

2025 Jan 06 **KUET Rising Team, Hackathon, Bitfest 2025, Organized by Department of CSE, KUET**