

ADARSH KUMAR SINGH

Heritage Institute of Technology, Kolkata

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Education

Heritage Institute of Technology

B.Tech in Computer Science and Engineering (5th Semester)

2023 – Present

Kolkata, India

- Current CGPA: 8.75 / 10

Experience

RudraX (United Kingdom)

May 2025 – Sep 2025

Full Stack Developer

Remote

- Contributed to a high-volume message campaign web application (WeAreSMS) using Next.js, Redux, and TypeScript.
- Developed the complete user and admin interfaces for an investment platform using Next.js and modern UI practices.
- Revamped the existing UI of JustBuild to improve performance and design consistency.

Lumirorc

Apr 2025 – May 2025

Frontend Intern

Remote

- Upgraded all project form validations to Zod, improving type-safety and maintainability.
- Integrated Zod schemas with existing React forms for more predictable error handling and cleaner validation logic.
- Collaborated with backend developers to align client-side validation with API constraints.

Technical Skills

Languages: C, C++, Java, JavaScript, TypeScript, Solidity

Frontend: Next.js, React, Tailwind CSS, Chakra UI

Backend: Next.js (API Routes), Node.js, Cloudflare Worker

DevOps & Cloud: Docker, AWS

Databases: PostgreSQL, NoSQL, Supabase, MongoDB

Projects

TrakPDF.ai | Next.js, IndexedDB, OCR, Gemini

2025

- A browser-first application that lets users upload PDFs (including scanned images) directly in the browser and ask natural-language questions about the document content.
- Performs client-side OCR and stores parsed data using **IndexedDB** for offline/fast access; integrates **Gemini** for advanced semantic understanding and Q&A.
- **Live App:** trak-pdf-ai.vercel.app **GitHub:** github.com/Adarsh1826/TrakPDF.ai

fin.ai | React Native

2024

- Mobile application built with **React Native** that assists crypto traders by analyzing market signals and suggesting optimal entry points.
- Implements real-time indicators and notification flows to help users decide when to enter the market.
- **GitHub:** github.com/Adarsh1826/fin.ai

cmdfix | Developer Tool

2023

- A developer utility that helps debug terminal errors without switching tabs — surfaces probable fixes and actionable hints inline to speed up troubleshooting.
- Designed to parse common CLI error messages and map them to quick remediation steps and code pointers.
- **GitHub:** github.com/Adarsh1826/cmdfix

Competitive Programming Profiles

- **Codeforces:** adarshhssingh
- **CodeChef:** adarsshsh
- **LeetCode:** j9Lj22RWbV