

# ADARSH KUMAR SINGH

Heritage Institute of Technology, Kolkata

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## Education

### Heritage Institute of Technology

2023 – Present

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

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.

### Lumiorc

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](https://trak-pdf-ai.vercel.app) **GitHub:** [github.com/Adarsh1826/TrakPDF.ai](https://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](https://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](https://github.com/Adarsh1826/cmdfix)

## Competitive Programming Profiles

- **Codeforces:** [adarshhssingh](https://codeforces.com/profile/adarshhssingh)
- **CodeChef:** [adarssh](https://www.codechef.com/users/adarssh)
- **LeetCode:** [j9Lj22RWbV](https://leetcode.com/j9Lj22RWbV)