

Mainak Das

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🔗 LeetCode

EDUCATION

- National Institute of Technology, Silchar** Assam, India
B.Tech in Computer Science and Engineering; CGPA: 8.23 Aug 2023 - Present
 - Relevant Course:** Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), Database Management System (DBMS), Computer Network, System Design
- Govt. Sponsored Multi-Purpose School (Boys'), Taki House** West Bengal, India
Higher Secondary (10+2); Percentage: 92.8 2022

EXPERIENCE

- Neurathon 2025, Organizing Team** Live Link
Repository Link Jan 2025 - Mar 2025
 - Engineered and **deployed the Neurathon 2025 website**, attracting **over 500+ participants** from **30+ colleges**, improving event visibility by 40% compared to previous editions.
 - Enhanced frontend performance, **achieving a 20% reduction in load times** and ensuring a smooth user experience during peak traffic across the platform.
 - Tools: Svelte, Tailwind CSS, TypeScript, Git, GitHub, Supabase Database
- IEEE IS3IP-2024 Summer Internship** Report Link
Repository Link Jun 2024 - Jul 2024
 - Pioneered a **face-to-face video translation** and **lip-sync** system with an average of **85% accuracy** in lip-syncing.
 - Spearheaded a team of 3 members to bring the project to fruition.
 - Tools: Python, React, CSS, Flask, Wav2Lip, OpenCV, SQL Database

PROJECTS

- Real-Time Job Tracker with AI Integration** Live Demo
Repository Link Apr 2025 - Present
 - Implementing a real-time job aggregator that **scrapes 1,000+ job listings** and leverages **Gemini 2.0 Flash** to generate instant, AI-driven insights, along with **resume-based job suggestions**, boosting user engagement by 3x.
 - Streamlining the job application process by integrating direct apply links and summarizing complex job descriptions, **cutting user effort by over 75%**
 - Tools: Python, Google Generative AI, Streamlit, PDF Plumber
- QiloDB: Database Management System** Live Demo
Repository Link Jan 2025 - Mar 2025
 - Architected a **SQL-like** database system in **C++**, implemented efficient data structures, object-oriented approaches, indexing, and optimized query processing, ensured **multi-platform** support; **supported 10000+ records** in testing.
 - Refined system efficiency through memory management, file I/O, improving query execution speed by 40%.
- ML Club NIT Silchar, Website** Live Link
Repository: Private Mar 2024 - Jun 2024
 - Revamped the official website for the ML Club, NIT Silchar, showcasing club activities, 10+ club projects.
 - Enhanced the club's online presence with a visually appealing website, increased online engagement by 30%.
 - Tools: Vite, Svelte, Tailwind CSS, TypeScript, Vercel

SKILLS

- Languages:** C, C++, Java, Python, JavaScript (Proficient); TypeScript (Familiar)
- Frameworks & Libraries:** React, Next.js, Node JS, Express JS, Svelte, Flask, Tailwind CSS
- Tools & Platforms:** Git, GitHub (version control), Firebase, PostgreSQL, Ubuntu Linux, Docker (Basic), Cloudinary

HONORS AND AWARDS

- Coding Profile Achievements** Apr 2025
 - LeetCode - More than 190 questions solved.
- Datathon - Winner** Apr 2025
 - Competed with 40+ teams and developed an annual finance report summarizer for start-ups like organizations.
- Abacus - CSS Hacks Hackathon, 2nd place** Mar 2024
 - Competed with 50+ teams and implemented an audio-to-text converter to help visually impaired persons.

POSITIONS OF RESPONSIBILITY

- Machine Learning Club, NIT Silchar** Onsite
Member Sep 2024 - Present
 - Co-organized campus-wide events and facilitated freshman classes, positively impacting over 300+ students through consistent engagement and mentorship.
 - Collaborated with fellow organizers to plan event logistics, managing outreach through social media, and developed the official Neurathon'25 website with 99.9% up-time, ensuring a seamless participant experience.