

Harsh Mrigank

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Education

- **Techno Main Salt Lake | MAKAUT** Kolkata, West Bengal
B.Tech. – Computer Science · CGPA: 7.54 (till 5th Sem) August 2023 – July 2027
- **Satyam International | CBSE** Patna, Bihar
Class 12 – Science (PCM) · 89% April 2021 – April 2022

Technical Skills

- **Programming Languages:** C, C++, Python (scripting), SQL (queries), Java (basic OOP)
- **Web Technologies:** HTML, CSS, JavaScript (ES6), React.js (UI development), Node.js & Express.js (APIs)
- **Databases & Backend:** MongoDB (NoSQL), Supabase/PostgreSQL (relational DB, auth), PHP (server-side)
- **Tools & Frameworks:** Git & GitHub (version control), Vite (build tool), Tailwind CSS (styling)
- **ML & Data (Basics):** Pandas, NumPy (data handling), Scikit-learn (basic models)
- **Relevant Coursework:** DSA, OS, OOP, DBMS

Projects

- **examAnda@tmsl** [Git/examAnda] [examAnda@tmsl]
Tech Stack: React, TypeScript, Tailwind CSS, Supabase
 - Built a centralized note-sharing platform for B.Tech students with secure authentication.
 - Implemented role-based access and semester-wise organization for academic resources.
- **testLab** [Git/testLab] [testLab]
Tech Stack: React, TypeScript, Tailwind CSS, Supabase
 - Developed an online test platform with secure authentication and role-based access.
 - Implemented timed exams, automated evaluation, and performance analytics dashboards.
- **SAIL-DSS** [Git/saildss] [saildss]
Tech Stack: React, TypeScript, Tailwind CSS, Supabase, Python, NumPy, Scikit-learn
 - Built a decision support system to optimize train rake loading and dispatch operations for SAIL.
 - Leveraged historical logistics data to predict optimal rake formation using ML-based models.

Coding Profiles

- **Codeforces:** [Profile-Codeforces]
- **CodeChef:** [Profile-CodeChef]
- **LeetCode:** Rating 1464, solved 150+ problems [Profile-LeetCode]

Certifications and Achievements

- Smart India Hackathon — **SIH Finalist** [Link]
- Oracle — **OCI Foundation Certified** [Link]
- Google Cloud — **Cloud Arcade / Skill Boost** [Link]
- McKinsey & Company — **Forward Program** [Link]