

# Abhay Chauhan

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## EDUCATION

### Guru Gobind Singh Indraprastha University

Bachelor of Technology, Electronics and Communication Engineering, **SGPA: 8.31/10**

New Delhi, India

2022 – 2026

## TECHNICAL SKILLS

**Languages:** C/C++, MySQL, JavaScript, HTML/CSS

**Libraries/Frameworks/Databases:** ReactJs, NodeJs, ExpressJs, Mongoose, Tailwind, GSAP, MongoDB

**Skills:** Data Structures and Algorithms, Competitive Programming, Web Development

**Developer Tools:** Git, VS Code, Vim, Postman

## ACHIEVEMENTS

- Acquired **Specialist** status on [Codeforces](#), with a peak rating of **1571** being **top 2.5%** in india, ranking **777th** out of 30,000+ participants in Round 953 (Div 2) and **910th** out of 23,000+ participants in Round 946 (Div 3).
- First runner-up** in a Hackathon at IIMT Group of Colleges among 250+ teams and achieved a **top 16** position as part of a team in Vihaan 008 out of 300+ participating teams.
- Ranked **440** globally (**Top 0.2%**) on [CSS Battle](#) out of 250k+ users.
- Achieved a **4-star** rating on [Codechef](#) with a maximum rating of **1800**, ranking **113th** globally out of 31,000+ participants in Starters 126 Division 4.
- Solved over **800** DSA-related problems across platforms including [LeetCode](#), [Codeforces](#), [CSES](#), and Project Euler.

## EXPERIENCE

### Motion Canvas (15k+ stars)

Contributor

February 2023 – March 2023

- Researched and analyzed HTML canvas API and Chromium's C++ code to implement a Bézier curve component in TypeScript using SVGs for a simpler solution.
- Enhanced the library's functionality, laying the groundwork for future implementation of spline components.

### A Code Daily

Contributor and Maintainer

June 2023 – Present

- Co-developed ACD Ladders, a curated list of top 100 problems in each rating category, resulting in significant user progress and engagement with currently almost **500k visits** in total.
- Redesigned the user interface using React and Tailwind, optimized the web scraping JavaScript script, and created a system to regularly update and rotate implementation and constructive problems to keep the ladders current and challenging.

### Hash Define

New Delhi, India

Senior Council

January 2022 – Present

- Managed and coordinated a diverse range of 15+ successful Technical events in collaboration with industry leaders, fostering a technical environment across colleges.
- Instructed and mentored 250+ aspiring programmers in Data Structures and Algorithms**, empowering them with essential skills and knowledge to excel in the field.

## PROJECTS

### Regularise | *React, Tailwind CSS, NodeJs, MongoDB* | Github Link

January 2024 - February 2024

- Developed a comprehensive platform for monitoring and recording daily habits and tasks, providing users with detailed performance insights.
- Developed a space-optimized habit-tracking Heatmap algorithm bringing **93%** space reduction using integer-based encoding (1 int per month, 13 ints per year), addressing MongoDB Atlas space constraints.

### Digital Logic Sim | *JavaScript*

May 2023 - July 2023

- Developed a sophisticated Digital Logic Gate Simulator using Vanilla JavaScript, enabling users to design and test digital circuits with 9 distinct and fully-functional logic nodes.
- Integrated into the college curriculum** to teach **ECE students** core subjects, significantly **enhancing their practical learning experience**.