

Siddhant Wani

LinkedIn: [linkedin.com/in/siddhant-wani-6059972a5](https://www.linkedin.com/in/siddhant-wani-6059972a5)

GitHub: github.com/wsids24

siddhantpwani@gmail.com

+91 8421036266

Education

Pune Institute of Computer Technology, Pune
Bachelor of Engineering in Artificial Intelligence and Data Science

Aug 2023 – Jun 2027
CGPA: 9.57 / 10

Experience

Competitive Programming Lead, PASC (PICT ACM Student Chapter) Aug 2025 – Oct 2025

- Collaborated with a team of 4–5 to design contests in **DSA, Reverse coding, and Debugging**.
- Conceptualized **50+ DSA problems** and test cases with balanced difficulty, assessed by **20+ juniors** for clarity, contributing to **improved contest quality**.

Head, Data Structures Club (AI&DS Department) July 2025 – Present

- Conducted detailed post-contest discussions across platforms (Codeforces, CodeChef, LeetCode), analyzing problem-solving approaches and optimizing strategies for **70+ students**.
- Facilitated workshops on **algorithmic strategy**, enabling junior engineers to dissect complex coding challenges and boosting team's average score in internal coding competitions by **30%**.

Projects

Rubik's Cube Solver - Using Korf's IDA* Algorithm | *C++, CMake* GitHub

- Engineered a **virtual 3x3 Rubik's Cube simulator** employing **three distinct models and advanced data structures**, resulting in improved simulation accuracy by achieving real-time responsiveness during complex cube manipulations.
- Developed and implemented solving algorithms such as **BFS, DFS, and IDDFS** for the Rubik's Cube simulator; achieved impressive **solve times under 3 seconds for cubes scrambled up to eight times**.
- Optimized the application of **Korf's IDA* algorithm** to solve cubes scrambled up to **13 times**, attaining **solve times under 10 seconds**.

Real-Time Collaborative Whiteboard | *React, Node.js, MongoDB, Socket.IO* GitHub

- Developed a real-time whiteboard collaboration platform using **React** for the frontend and **Node.js with Express** for the backend, supporting simultaneous editing.
- Designed RESTful CRUD APIs with **JWT authentication** for secure access and optimized **MongoDB** queries, achieving a **30% improvement** in response times.
- Integrated **Socket.IO** for real-time communication, delivering **sub-second latency** in multi-user sessions.
- Deployed the backend on **Render** and frontend on **Vercel**, ensuring smooth performance and scalability.

Technical Skills

- Programming:** C++, JavaScript, Python, Java
- Frameworks & Tools:** React, Node.js, Express.js, Socket.IO, MongoDB, CMake, Git, Postman
- Platforms & OS:** Vercel, Render, Windows, Linux, macOS

Achievements

- Meta Hacker Cup Semi-Finalist**, secured a global rank of **186**. (Certificate)
- Distinguished as a **Finalist** in the **Barclays Hack-O-Hire 2025** from a pool of over **25,000+ applicants**. (Link)
- Ranked **765** in **Codeforces Round 1054 (Div. 3)** among **35,000+ competitors**.
- Placed **45th** in **CodeChef Starters 169**, standing out in a field of over **19,000+ entrants**.
- Secured the **283rd** position in **LeetCode Biweekly Contest 169** from a global pool of **28,000+ coders**.

Profiles

- Codeforces: Expert**, Max Rating **1721** (Profile Link)
- LeetCode: Guardian**, Top **0.74%**, Max Rating **2239** (Profile Link)
- CodeChef: 4 Star**, Max Rating **1809** (Profile Link)
- AtCoder: 6 Kyu**, Max Rating **857** (Profile Link)