Sparsh Gautam

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Education

Indian Institute of Technology
2nd year student   **Roorkee, UK**
B. Tech, Electronics and Communication Engineering [current CGPA 7.896]   2023-27
Little World School   **Jabalpur, MP.**
Class X - 92.4 %   2019-21
Kenbridge School   **Kota, Rajasthan.**
Class XII - 91.6%   2021-23

Experience

Algorithmic Competitions (e.g., Codeforces, Codechef)
- Consistently ranked in top percentile; trained in problem-solving under pressure.
- Gained experience optimizing algorithms for time and memory – skills directly transferable to strategy research.
- Regularly participate in coding challenges organized by the college and external platforms

SSB-SC Modulator and Demodulator| ECE Department| Project
- A project in which a 400 Hz Signal was first modulated using SSB-SC modulation technique using a carrier signal of 4000 HZ, and then after passing through the channel, was demodulated to obtain the original signal.
- A part of our course ECC-201 Communication Systems (Grade : 9/10)

Drone4s (Drone for sustainability) | Civil Engineering Department | Competition
- Won 1st Prize of 10K INR in the development of a Poster idea for the competition.
- The idea which was pitched by us was named ElevateNet, A drone network which could provide sustainable connectivity in remote areas and provide temporary communication to hard reached terrain

Activities & Achievements

- JEE Advance 2023 3161 Rank.
- JEE Mains 2023 99.57 percentile.
- Codeforces - Max Rating 1507 (specialist) Id-sparsh__03
- Codechef - Max Rating 1741 (3 star rated) Id-sparsh_0303
- Codeforces Round 1011 (Div. 2) Rank- 1380
- Relevant Coursework : Data Structures & Algorithms (CSE-101 Grade: 9/10)

Skills & Interests

- **Technical:** Strong in algorithm design, system optimization, and abstract problem-solving. Proficient in C++ and Python, familiar with performance-aware development and latency-sensitive systems.
- **Language:** English and Hindi, Highly proficient in both of them.
- **Interests:** Interested in trading strategy research as a dynamic, competitive intellectual challenge and Passionate about building high-performance trading platforms where every microsecond counts.

Portfolio

- Codeforces: sparsh__03 | Codechef: sparsh_0303