

# ROHAN GARG

+91 8221919480 ◊ Mail ◊ LinkedIn◊ Portfolio Page

## EDUCATION

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**Indian Institute of Technology Roorkee**  
B.Tech in Production and Industrial Engineering

**CGPA: 7.918/10.00**

## FIELD OF INTERESTS

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Programming | Mathematics | Finance

## TECHNICAL SKILLS

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C++ | Go | Python | Linux | Bash | Git

## INTERNSHIPS

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**SageMath**  
*Contributor*

Mathematics  
*Jan 2023 - April 2023*

- Implemented SUPER GREEDY and GREEDY algorithms and helper functions for the Hasse diagrams and the linear extensions of a POSET
- Enhanced Signed Permutations Class and helper functions for obtaining various essential properties for Signed Permutation Group. [\[Page\]](#)

## PROJECTS

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**RSAEncoder**

July 2023 - August 2023

- Implemented RSA algorithm for encryption and decryption of strings in python.
- Developed an interactive basic shell program to run the algorithm [\[\[Code\]\]](#)

**System Monitoring Tool**

April 2023 - May 2023

- Implemented a system monitoring tool for Linux system, using Go programming language
- System variables like system usage, number of available cores etc are monitored [\[\[Code\]\]](#)

**Competitive Programming Repository**

May 2022 - Present

- A repository for solutions of Competitive Programming and Data Structures and Algorithm Problems.
- The repository is updated at regular intervals, and holds more than 1000 solutions from across various platforms like Codeforces, LeetCode, AtCoder, CSES and InterviewBit. [\[Repository\]](#)

## HONORS AND AWARDS

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2020	<b>JEE (Advanced) 2020</b> All India Rank 5167 out of 250,000 students (top 2%) in JEE Advanced 2020, for my admission at IIT Roorkee.
2018	<b>HScTss Scholar (2018)</b> Haryana State Talent Search Scheme Scholarship awarded by Haryana State Government to students with a scientifically oriented mind.