



# Harsh Mittal

Bachelor of Technology  
in Electrical Engineering  
Indian Institute Of Technology, Ropar

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## EDUCATION

| Degree                 | Institute/Board                       | CGPA/Percentage     | Year      |
|------------------------|---------------------------------------|---------------------|-----------|
| Bachelor of Technology | Indian Institute of Technology, Ropar | 8.52 (Till 6th Sem) | 2018-2022 |
| Senior Secondary       | Central Board of Secondary Education  | 89.8%               | 2018      |
| Secondary              | Central Board of Secondary Education  | 10.0                | 2016      |

## EXPERIENCE

- Goldman Sachs Services Pvt Ltd** *Summer Analyst* *June 2021 - July 2021*  
Bangalore - WFH
  - Worked as a Software Development Engineering Intern in the Loans Engineering Division.
  - Defined and Developed the Site Reliability Engineering part using Java, Prometheus and Grafana.
- Ketto Online Ventures Pvt Ltd** *SDE Intern* *July 2020 - Sept 2020*  
Mumbai - WFH
  - Using Natural Language Processing Techniques in Python to predict the success of a fund raising campaign.
  - Developed model to suggest changes to increase the expected revenue. It's predicted to increase the revenue by 4.3%.
- Indian Institute of Technology Ropar** *Research Intern* *May 2019 - July 2019*  
Ropar
  - Researched ways to streamline the admission process for Post-Graduate and Ph.D. admissions to IITs.
  - Helped in the development of a real time web portal to handle all the queries from aspirants and institute.

## PROJECTS

- Faculty Leave and Projects Management** *Mar 2021 - Apr 2021*  
*Database Management Systems* **Github**
  - Developed a Portal to manage the status, leave and project applications filed by Faculties.
  - Took care of budgets and other constraints. Implemented the Back-End, Front-End and DBMS.
- Virtual Classroom** *Mar 2021 - Apr 2021*  
*Development Engineering Project* **Github**
  - Developed a Portal to manage the faculty, TA and student interactions for the lab courses.
  - Provided features including attendance management, student addition, submission and grading etc.
- Traffic Analysis and Management** *Feb 2021 - May 2021*  
*B.Tech Project*
  - Developing model to analyse the traffic at a traffic junction through Computer Vision.
  - This analysis will then be used to route the traffic accordingly thus saving time and fuel.
- Other Projects** *Jan 2020 - May 2021*  
*Self* **Github**
  - Implemented the code for Minimum Cost Arborescence with C++ from scratch.
  - Database Management System for Music Player using SQLite to manage artists, labels and companies.
  - Library Book Database Management System with SQLite to help issue and deposit books.

## TECHNICAL SKILLS

- Programming Languages:** C/C++, Python, PHP\*, Java\*, Haskell
- Development:** HTML, CSS\*, Operating Systems\*, OOP\*, Database Management
- Competitive Programming:** ACM-ICPC Regionalist, Candidate Master on Codeforces, 5 star on Codechef
- Others:** Cryptography\*, Machine Learning\*, Prometheus, Grafana, Git\* and Financial Markets \* Working Proficiency

## KEY COURSES TAKEN

- CSE & Maths:** Algorithm & Data Structure, Operating System, DBMS, Discrete Math, Probability & Statistics, Calculus
- Others:** Digital Logic Design, Signal & System, Macro & Micro Economics, Professional Communication

## POSITIONS OF RESPONSIBILITY

- Head Placement Coordinator**, Training & Placement Cell - Managing the 2021-22 Internships and Placements
- Vice President**, Enactus, IIT Ropar - Responsible for Team Management, Corporate Relations, etc.
- Convener**, College Fests - Lifestyle Events & Sponsorship in Zeitgeist, Exhibition & Guest Talks in Advitiya

## MISCELLANEOUS

- KVPY Scholar**, Secured AIR 609 in Kishore Vaigyanik Protsahan Yojna 2016-17 *2017*
- World Rank 20**, CodeChef June Cook-Off, Under 10 in India Ranks *2021*
- World Rank 100**, Codeforces Round 662, Under 20 in India Ranks *2020*
- Problem Solving**, Solved multiple Jane Street Puzzles for consecutive months. *2020*
- Google FooBar**, Unlocked the special invite & Completed Google FooBar. *2020*
- Finance & Economics Club**, Senior Member, Represented Club in various competitions & Inter IIT Tech Meet *2019*
- Intellectual Property Rights**, First runner up in inter college IPR Quiz at Advitiya *2019*
- Social Service**, Member of the National Social Service and participated in Rescue during 2019 floods. *2018-20*
- Volunteer**, Instructor for Pehchaan - Ek Safar NGO and taught under-privileged children. *2019*