



# Harsh Mittal

B.Tech in Electrical Engineering  
With Additional Semester Internship  
Indian Institute Of Technology, Ropar

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Github | Website  
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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 through 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:** *Candidate Master* on Codeforces, *5 star* on Codechef, Completed Google Foobar 2020
- 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
- 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