



# Harsh Mittal

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

+91-9560821033  
2018eeb1150@iitrpr.ac.in  
Github | Website  
linkedin.com/in/harsh-mittal-iitrpr

## 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
  - Working as a Software Development Engineering Intern in the Engineering Division.
  - Defined and Developed the Site Reliability Engineering through Java.
- **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** *Summer 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

## PROJECTS

- **Faculty Leave and Projects Management** *Database Management Systems* *Mar 2021 - Apr 2021*  
**Github**
  - Developed a Portal to manage the leave and project applications filed by Faculties.
  - Took care of budgets, constraints. Implemented the Back-End, Front-End and DBMS.
- **Virtual Classroom** *Development Engineering Project* *Mar 2021 - Apr 2021*  
**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** *B.Tech Project* *Feb 2021 - May 2021*
  - 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** *Self* *Jan 2020 - May 2021*  
**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:** C/C++, Python, PHP\*, Java\*
- **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\* 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 *2021*
- **World Rank 100**, Codeforces Round 662 *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*