



## Raman Bansal

UG (II Year II Semester)  
B.Tech. (Production and Industrial Engineering)  
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Registration No: 21119040/2023

Indian Institute of  
Technology  
Roorkee



### Area of Interest

Data Structures and Algorithm, Competitive Programming, Web development, Product Management, Video Editing

### Education

Year	Degree/Examination	Institution/Board	CGPA/ Percentage
2023	B.Tech. 2nd Year	Indian Institute of Technology, Roorkee	7.955
2020	Intermediate (Class XII)	CMM Public School, Dujana	93.00 %
2018	Matriculate (Class X)	MBD International School, Jhajjar	90.40 %

### Projects

**Simulation of comparison of drum and disc brakes** | Knox, IIT Roorkee

March 2023 - May 2023

- Design Drum and Disc brakes
- Calculate for the braking forces, torques and pressure and compare the mathematical as well as analytical results.

**Design and Analysis of Mechanical Properties of Elevator** | Mechanical and Industrial Department, IIT Roorkee

August 2022 - November 2022

- Prof. MM Joglekar served as the project's mentor.
- Designing elevator CAD model using Solidworks 2019.
- Calculation of various forces acting on elevator.
- Ansys static analysis for different types of material.

**Khoj** | Enactus , IIT Roorkee

February 2023 - Present

- Developing a profitable ground setup for those unexplored areas of Uttarakhand which possess natural scenic beauty or
- have a potential to become a tourist place, thus creating an income source for residents and a new recreational place.

**Ark** | Enactus , IIT Roorkee

August 2022 - November 2022

- Ark targets upcycling of floral waste to develop different products like incense sticks, mosquito repellants and others.
- Trained and employed 15+ women for production and market launch of 500+ packets of hand rolled incense sticks.
- Developed business strategies and cost analysis, deciding an optimal selling price of the product to generate profit and
- increasing sales by 5%.

**Anushruti** | Enactus , IIT Roorkee

November 2022 - February 2023

- Making a software converting the sign language to the understandable language like Hindi, English etc.

**Vanagni** | Enactus Nationals 2022

May 2022 - July 2022

- Led a team of 15+ individuals to create a social enterprise around a problem by doing research, ideation, building a
- product roadmap and developing a go to market strategy to make it sustainable targeting majority 3 SDGs
- Tested the product and carried out market analysis to find product market fit and develop its business model canvas

### Awards / Scholarships / Academic Achievements

- Got 2nd position in institute Colors Trophy, Hockey
- JEE MAIN AIR:- 4276
- JEE ADVANCED AIR :- 4856

### Skills

Computer languages	C++, html, css, js,
Software Packages	Solidworks, Ansys, Adobe Premiere Pro, AUTO-CAD, VS code, Figma, Canva, Excel,
Additional Courses	Economics, Communication Skills(Basis), Psychology, C++ Programming, Electrical Science.
Languages Known	Hindi, English

### Positions of Responsibility & Extra Curriculars

**PR Executive** | Cognizance, IIT Roorkee

December 2021 - February 2023

- Collaborated to different institution to conduct zonals, fest promotion etc to increase the participation in the fest.

**Member** | Enactus IIT Roorkee

May 2022 - Present

- Formulated solutions for numerous problems and challenges encountered during the development of business models.

**Volunteer** | Sanskrit Club IIT Roorkee

July 2022 - Present

- Promoting and learning the ancient Sanskrit literature
- Conducted various events of sanskrit club
- Active social media manager at sanskrit club

**Video Editing Head** | MIESS, IIT Roorkee

February 2023 - Present

- Led a team of more than 10 students for an engaging video for different events

**Participant** | Competitive Programming

January 2023 - Present

- Active Member on various online judges including Codeforces

**Associate** | PIC, IIT Roorkee

September 2022 - December 2022

- Was a bridge for many talented minds in getting there dream jobs