

# Jatin Gehlot

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## Education

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### Indian Institute of Technology, Ropar

BACHELOR OF TECHNOLOGY IN MECHANICAL ENGINEERING, GPA: 7.3/10.0

*Rupnagar, Punjab*

*May 2020*

- **Class XII**, (Senior secondary Examination) — 90.2%, RBSE (July 2017)
- **Class X**, (Secondary Examination) — 78%, RBSE (July 2015)

## Skills

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**Languages** Python, C++, C

**Familiar** Matlab, Auto Cad, Solid works, Ansys, Arduino, MS Office

**General** Data structure, Algorithm, Object Oriented Programming

## Projects

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### Mines Detector Robot

- Project aim to build a Robot determining Mines positions around the particular area.
- This Robot have sensors on it and can be control by a remote controller.
- Robot having arduino uno for remote controlling.

### Crack Angle based Exergy Analysis Of Real Engine with Syn gas as fuel

- The Project aims at Determining the total availability of work in the engine and the wasted work potential.

## Experience

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### Fury Road Event in IIT-BHU Tech-fest

EVENT AIM IS TO BUILDING A ROBOT HAVING ABILITY TO RUN ON SAND AND ROUGH SURFACES WITH OBSTACLES ON PATH

### building function- K-largest elements

I WORKED THROUGH BUILDING BINARY HEAP DATA STRUCTURE FOR HEAP SORTING OF ARRAY IN PYTHON AND ALSO ON FUNCTION RETURNING K-LARGEST ELEMENTS IN IT.

### Design Lab

THIS LAB HAVING GREAT RESEARCH EXPERIMENTS ON THIN CYLINDERS, BUCKLING AND BENDING, GYROSCOPE, CAM FOLLOWER.

### Member of Robosoccer Team

I HAVE WORKING EXPERIENCE IN COLLAGE'S ROBOSOCCER TEAM AS DESIGNER OF ROBOT BODY.

### Mechanical workshop

I HAVE WORKING EXPERIENCE IN COLLAGE'S MECHANICAL WORKSHOP WHICH GIVE GENERAL KNOWLEDGE OF MECHANICAL TOOLS AND MACHINES.