# Saurabh Mehar

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 (EE) | Indian Institute of Technology, Ropar | 6.52 (Till 6th Sem) | 2019-2023 |
| Senior Secondary | JVP International School | 80.2% | 2019 |
| Secondary | St.Mary's Convent School | 7.6 | 2017 |

## EXPERIENCE

- **BBMB India**                                                                                          *June 2022 - July 2022*
  *Intern*                                                                                                         Punjab
  – I learned about the generating units and their ratings and design specifications and relay system installed in the power house for safety reasons.
  – I checked and examine the faults occurring during the operation.

## PROJECTS

- **Cryptography Project**
  **Github**
  – Built a simple application to encrypt and decrypt data using PyQt5.

- **MNIST Digit Recognition**
  **Github**
  – Use DataLoader module from Pytorch to load our dataset and Transform it.
  – We will implement Neural Net, with input, hidden  output Layer.
  – Apply Activation Functions.
  – Set up the Loss  Optimizer and implement a Training Loop that can use batch training.
  – Finally, evaluate the model and calculate our accuracy.

- **Coupon Collector's Problem Analysis**
  *Introduction to Computing and Data Structures - GE103*                                                         **Github**
  – Simulated coupon collector's problem using Python.
  – Plotted the time complexities for different cases where number of participants and different number of coupons varied.

## TECHNICAL SKILLS

- **Programming Languages**: Python, C/C++, PostgreSQL, HTML
- **Tools**: Visual Studio Code, MS Excel, MATLAB

## KEY COURSES TAKEN

- **CSE & Maths**: Data Structures & Algorithm, introduction to Computing and
- **Others**: Chinese(level-1) , Professional Ethics,

## MISCELLANEOUS

- **College badminton team member:** ,Won gold medal in IYSC 2019                                                    ,
  Won Bronze in IYSC 2022 and Won player of the tournament in college tournament 2019
- **Zeitgeist :** ,Security Team Member and Decoration Team Member                                            *2019-2020*