

GAURAV KUMAR

Roll No. - B20197

B.Tech - Electrical Engineering

Indian Institute Of Technology, Mandi

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Linkedin

Github

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Mandi	7.21 (Current)	2020-Present
Senior Secondary	BSEB	77.2%	2019
Secondary	CBSE Board	9.2	2017

TECHNICAL SKILLS

- **Languages:** C++, Python, Matlab, HTML, CSS, JS
- **Relevant Libraries:** Numpy, Pandas, Matplotlib
- **Platforms:** Visual Studio Code, Spyder, MATLAB, Google colab
- **Frameworks:** LaTeX, ScikitLearn
- **Core HDL:** verilog, VHDL, ARM(assembly language)

KEY COURSES TAKEN

Data Structures and Algorithms, Database Management System, Data Science- 1,2,3 (Python, Probability, Machine Learning), Linear Algebra, IoT, Computer Organisation, Matrix Theory, Communication Theory.

PROJECTS

Covid Cases Predictor(Pandas,NumPy,Matplotlib,sklearn)

- Worked on a dataset containing COVID-19 cases recorded in India on daily basis and Generated multiple time-sequences with multiple lag values.
- Applied auto regression techniques to predict Covid cases in future with rmse of 1.82 percent using python.

Home Automation - IoT [GitHub link] (Arduino IDE)

- Used tree topology network for home automation.
- Three NMCUs act as base stations and as clients using painless mesh.

iRailway - Railway Booking System[GitHub link] (Web,JS,PHP,MySQL)

- Built a website where Passengers can Book, Cancel, Download train tickets.
- A passenger dashboard showing previous bookings.
- Ticket validity can be checked by scanning QR code printed on the ticket.

To Do List [GitHub link](Python, HTML, Flask)

- It is a basic to-do list, which help you to keep track of your remaining tasks. It is made using flask framework, python and a small self created database of the tasks which will be added. The tasks can be added, deleted or updated.The tasks are sorted by the time the tasks were added.

ACHIEVEMENT

- Solved 500+ problems on various platforms like Codeforces (200+) and [InterviewBit] (300+)
- Spacilaist on [Codeforces](Max. 1505)
- 3 star [CodeChef] rating(Max. 1623)
- Secured global rank 140 in CodeChef January Long 2023(Div.3)

POSITION OF RESPONSIBILITY

- Class Representative of EE'2020.
- Core Team member at Photography and Moviemaking Club.
- Hospitality Team Member at Rann-neeti'22.