

Gaurav

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EDUCATION

IIT ROPAR

B.TECH IN ELECTRICAL ENGINEERING

Expected Dec 2020 | Ropar, Punjab

Cum. GPA: 7.48

CENTRAL BOARD OF SCHOOL
EDUCATION

2014-16 | Rohtak, Haryana
12th : 87.2%

HARYANA BOARD OF SCHOOL
EDUCATION

2014 | Rohtak, Haryana
10th : 93.6%

SKILLS

- C/C++
- Python
- Sql
- Android
- Node.js
- Java
- JavaScript
- Matlab
- Django
- HTML/CSS

COURSEWORK

- Machine Learning*
- Introduction to Database Systems*
- Data Structures
- Linear Algebra
- Operations Research and Optimization
- Introduction to Probability Theory
- Discrete Mathematics
- Introduction to Computing
- Advanced Calculus
- Digital Signal Processing*
- Signals and Systems
- Circuit Theory
- Communication Engineering

RANKING

- AIR 3685 out of 150,000 students in JEE Advanced 2016
- 3rd Position in Digital Electronics Exhibition held at IIT Ropar
- 2nd Position in Hackathon at Advitiya IIT Ropar

PROJECTS

OPTIMAL BIDDING | INTER IIT TECH MEET 2017

Jan 2018 | IIT Madras

- Trained a ML model implementing SVM to predict electricity prices for bidding. Presented the approach at INTER IIT TECH MEET 2017

CREDIT CARD APPROVAL SYSTEM | MACHINE LEARNING COURSE

Dec 2018 | IIT Ropar

- Trained a Random Forest learning model to decide whether or not a credit card should be approved. Developed the model, tuning through cross validation to obtain 97% accuracy on testset

DATA CLASSIFICATION WEBSITE | SELF PROJECT

November 2018 | IIT Ropar

- Developed and implemented a data classification REST API using Node.js.
- Implemented the functionality of multiple data insertion and deletion.

GESTURE MOUSE | DIGITAL ELECTRONICS EXHIBITION

November 2017 | IIT Ropar

- Designed and Developed a wearable glove using arduino which could be used to move around the computer mouse cursor with clicking options also available

STAR CLUSTER IDENTIFIER | INTER IIT TECH MEET 2018

Dec 2018 | IIT Bombay

- Developed an astronomical machine learning model to predict different parameters of a star cluster based on other cluster data.

NOTES APP | SELF PROJECT

July 2017 | IIT Ropar

- Developed a note taking app using Android Studio implementing multiple features.

EXPERIENCE

- Learned Android Development from Udacity and developed apps which includes Notes App, Simple Games and some basic apps for learning.
- Attended Gian Course on Computer Security from Data Science Perspective under guidance of Dr. Rakesh Verma during winter 2017.
- Attended Gian Course on Robotic Systems under guidance of Dr. Gurvinder Singh Virk during winter 2016.

EXTRA-CURRICULAR

- Among top 0.1% of 1.5 million students in JEE Advanced 2016.
- Represented IIT Ropar in Inter IIT Tech Meet held at IIT Madras in AY 2018.
- Active participation in Competitive Programming
- Coding Club Coordinator during AY 2017-2018.
- Active Member of Software Community IIT Ropar.