

Harsh Mittal

SOPHOMORE · IIT ROPAR

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Education

IIT ROPAR (Indian Institute of Technology Ropar)

Punjab, India

B.TECH IN ELECTRICAL ENGINEERING : 8.19 / 10

July 2018 - Present

- **Courses Taken** : Introduction to Computing and Data Structures, Algorithms and Data Structures, Calculus, Linear Algebra, Discrete Mathematics, Differential Calculus, Digital Logic Design, Signals and Systems, Professional Communication, Probability & Stochastic, Micro & Macro Economics etc.

Central Board of Secondary Education

Rajgarh, India

INTERMEDIATE : 89.8%

MATRICULATION : 10/10

Mohta Public School

Skills

Programming Languages C/C++, Python, R

Web Dev HTML5, CSS, JavaScript, Bootstrap

Frameworks/Libraries NumPy, Pandas, Matplotlib

Software/ Tool/ OS Git, Linux(Ubuntu), MS Office, Arduino(Basic)

Others Financial Markets, Macroeconomics, Social Networking, Case Study, Cryptography

Internships

Undergraduate Research, Machine Learning Lab

IIT Ropar, India

DR. BALWINDER SODHI

May 2019 - July 2019

- Researched on ways to streamline admission process for Post-Graduate and Ph.D admissions to IITs by analysing data from previous applications.
- Developed a real time web portal for handling all the queries from both sides(i.e. students and professors). **Reference Letter**

Projects

Effect of News on Markets

IIT Ropar, India

DR. BHAVESH GARG

Mar 2020 - Present

- Collecting the Newspaper data of the past years and applying Python libraries to run a sentiment analysis.
- Using Machine Learning to determine the relation between news sentiments and market fluctuations.

Project Eye

IIT Ropar, India

TINKERING LAB

Jan 2020 - Present

- Using Ultra Violet and Infrared sensors to detects the presence of object and its temperature and alerting the person accordingly.
- Using Computer Vision and Machine learning to classify obstacles for differently able citizens with Jetson Nano.

Certifications

Coursera Machine Learning, Web Data with Python, Python Data Structures, Amazon Web Service, Financial Markets, Trading Basics, Cryptography

NPTEL Discrete Mathematics

Position of Responsibility

2018-Pre **Enactus**, Vice President

Ropar

2019-Pre **T & P Cell**, Training and Placement Cell Representative

Ropar

2018,19,20 **Fests**, Lifestyle Events & Sponsorship in Zeitgeist 2018, Exhibition in Advitiya 2019, Guest Talks in Advitiya 2020

Ropar

Miscellaneous

2016-17 **KVPY Scholar**, Secured **AIR 609 in KVPY 2016-17** SA Stream

2019 **Writer**, Article writer for **Virtual Hunt Global Services Pvt. Ltd.**

2019 **Member**, **National Social Service**

2019 **Volunteer**, Teacher in **Pehchaan NGO**