

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

Mohita Public School

Skills

Programming Languages C/C++, Python

Web Dev HTML5, CSS, JavaScript, Bootstrap

Frameworks/Libraries NumPy, Pandas, Matplotlib, Tensorflow

Software/ Tool/ OS GitHub, Linux(Ubuntu), MS Office, SQLite

Others OOP, 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.

Other Projects

SELF

2020

- Handwritten digits classification using Tensorflow : **Github**
- Database Management System for Music Player using SQLite : **Github**
- Earnings prediction with Tensorflow : **Github**
- SQLite database from Python for Student-Professon-Course-Department Management : **Github**
- Smile Detection with Keras : **Github**

Certifications

Coursera

Machine Learning, Deep Learning, Web Data with Python, SQLite with Python, 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**

2020 **Completed**, Google FooBar 2020 Challenge