

Harsh Mittal

PRE FINAL YEAR · IIT ROPAR

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Education

IIT ROPAR (Indian Institute of Technology Ropar)

B.TECH IN ELECTRICAL ENGINEERING : 8.45 / 10

- **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

INTERMEDIATE : 89.8%

MATRICULATION : 10/10

Punjab, India

July 2018 - Present

Rajgarh, India

Mohta Public School

Skills

Programming Languages	C/C++, Python, PHP, HTML, CSS
Development	Relational Databases(SQL), Computer Networks, Operating Systems
Frameworks/Libraries	NumPy, Pandas, Matplotlib, Tensorflow
Software/ Tool/ OS	GitHub, Linux(Ubuntu), MS Office
Competitive Programming	Codeforces
Machine Learning	Regression, Neural Networks, Convolutional Neural Network, Natural Language Processing
Others	OOP, Financial Markets, Macroeconomics, Social Networking, Case Study, Cryptography

Internships

Ketto

MAHENDRA NAKAR, VP - TECH

- Using Natural Language Processing Techniques to predict the success of a campaign.
- Developing model to suggest changes in the story to increase the expected revenue.

Mumbai - Work From Home

July 2020 - Oct 2020 expected

Undergraduate Research, Machine Learning Lab

DR. BALWINDER SODHI

- 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**

IIT Ropar, India

May 2019 - July 2019

Projects

Effect of News on Markets

DR. BHAVESH GARG

- 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.

IIT Ropar, India

June 2020 - Present

Project Eye

TINKERING LAB

- 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. : **Github**

IIT Ropar, India

Jan 2020 - Present

Other Projects

SELF

- 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**
- Library Book Database Management System with SQLite : **Github**
- Developing website for Non-Core vertical of CDCRC (Under Construction) : **Website**

2020

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

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

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

Ropar

Ropar

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.**

2018-20 **Member, National Social Service**

2019 **II Position**, Inter College **Intellectual Property Rights Quiz**

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

2020 **Completed**, Google Foobar 2020 Challenge

2020 **Convener**, Planned, managed and conducted Virtual Alumni Meets with alumni from different industries