

Harsh Mittal

PRE FINAL YEAR · IIT ROPAR

☎ (+91) 9560 821 033 | ✉ 2018eeb1150@iitrpr.ac.in | 🏠 messi10goat.github.io | 📧 messi10goat | 📷 harsh-mittal-iitrpr

Education

IIT ROPAR (Indian Institute of Technology Ropar)

Punjab, India

B.TECH IN ELECTRICAL ENGINEERING : 8.46 / 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, PHP, HTML, CSS, JavaScript, Java(Working on it)
Database	SQL, SQLite
Frameworks/Libraries	NumPy, Pandas, Matplotlib, Tensorflow
Software/ Tool/ OS	GitHub, Linux(Ubuntu), MS Office
Competitive Programming	Codechef, Codeforces
Machine Learning	Regression, Neural Networks, Convolutional Neural Networks
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**
- Library Book Database Management System with SQLite : **Github**
- Developing website for Non-Core vertical of CDCRC (Under Construction) : **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.
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