

Harshit M

Pre-Final Year (B.Tech)
Mechanical Engineering
at IIT Ropar
CGPA: 7.99 till 4th Sem

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Links

Github:// [HarshitMeda](#)
LinkedIn:// [HarshitM](#)
Codeforces:// [mharshit30](#)

Education

2018-2022
B.TECH. IN MECH
IIT Ropar
Best SGPA : 8.58/10

2016-2018
INTERMEDIATE
CMR National Public School
Percentage: 93.8%

2014-2016
HIGH SCHOOL
SSRVM
CGPA: 10

Skills

LANGUAGES
C/C++, Python

DATABASES
MySQL, Excel

DATA SCIENCE
Pandas, NumPy, SciPy,
SciKit-Learn, Matplotlib, Seaborn,
Bokeh

MACHINE LEARNING
TensorFlow, Keras, OpenCV

OTHERS
Markdown, Git

Coursework

Introduction to C
Data Structures
Algorithm
Applied Machine Learning
Deep Learning

Projects

- Nov. 2020 Learn physics of 2D heat conduction** **Deep Learning**
The aim of this project is to develop a Machine Learning Model that can predict the steady-state temperature distribution for simple geometries, given boundary conditions. This method offers a major advantage over conventional methods such as finite element method which is computationally costly.
Python, Numpy, Keras, Matplotlib
- MAY. 2020 Live Drowsiness Detector** **Machine Learning**
We used computer vision algorithms to extract facial features, followed by machine learning techniques to effectively detect driver state. Hence, alerting the driver in a drowsy state and preventing any harm that may have been caused.
Python, Pandas, Numpy, Matplotlib, SciKit-Learn, OpenCV, Scipy
- DEC. 2019 PDF Extractor** **For IndiGEO**
The aim of the project was to read an array of PDF files in a given folder and extract relevant pages which will be supplied to the software in a CSV file. My software saves 80% time as it has automated a repetitive task performed regularly at the company.
Python, PyPDF2, csv
- Nov. 2019 Smart Biometric Attendance System** **IoT**
The conventional attendance in addition to wasting lecture time is not foolproof. Hence we developed the Bio-metric Attendance System which is foolproof and hassle free. IoT Features: The Attendance registered is automatically uploaded onto the cloud to easy access.
Arduino Mega, Thingspeak, NodeMCU

Achievements

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| Google Kick Start Round F | Global Rank: 182 |
| Google Kick Start Round H | Global Rank: 672 |
| Credit Suisse Global Coding Challenge | Global Rank: 55 |
| Nina Hire 2.0 | Finalist |
| Optum Stratethon Season 2 | Semi-Finalist |
| TVS Credit E.P.I.C IT Challenge | Semi-Finalist |
| CodeChef Programming Aptitude League | 96 percentile |
| Codeforces | Rating: Specialist |
| Undergraduate Presentation Skill Competetion | Finalist |
| IIT-JEE Advanced | Rank: 5327 |
| Karnataka Common Entrance Test | Rank: 40 |