Harshit M

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

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Links

Profile://HarshitMeda
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

WEB DEVELOPMENT
HTML, CSS

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

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**