Harshit M

Pre-Final Year (B.Tech)
Mechanical Engineering
at IIT Ropar
CGPA:7.65 till 5th 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(basics)

WEB DEVELOPMENT
HTML, CSS

DATABASES
MySQL, Excel, PostgreSQL

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
Data Base Management Systems

Machine Learning

Nov. 2020 **Learn physics of 2D heat conduction**   **Deep Learning**
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

Python

Dec. 2019 **PDF Extractor**   **For IndiGEO**
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

Web Development

April. 2021 **Faculty Portal**   **DBMS**
A website designed to help Institutions manage their Faculty Leave application. This is a major improvement from sending emails for leave approval. Faculty can also manage their personal website on the portal.

PostgreSQL,MongoDB,PHP

Internship

May. 2021 **Backend Development at FieldAssist**
Developed APIs for the company's software solutions. The technology stack I worked on is ASP.NET Core framework and the architecture adopted was clean architecture.

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**
Optum Stratethon Season 2	**Semi-Finalist**
Undergraduate Presentation Skill Competetion	**Finalist**