



# Hrithik Nigam

Undergrad Student

With a fervent passion for the IT realm, an unwavering commitment to perfection, and a strong desire for organization, I aspire to carve out a fulfilling career in a distinguished organization where knowledge and advancement go hand in hand. My journey has been enriched by the privilege of serving as a mentor at MU-GDSC.

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## EDUCATION

### B.Tech.(Computer Science and Engineering)

Medi-Caps University, Indore, M.P.

2019 - 2023

8.8 CGPA

### HSC

Gurunanak Mission Higher Secondary School, Maihar, M.P.

2018

71.4%

### SSC

Sarla Higher Secondary School, Maihar, M.P.

2016

10.0 CGPA

## PROJECTS

### Cloud Based Face Attendance(python)

Final year project

Features

- Scans facial embeddings to recognize face of a person
- Matched embeddings with stored encodings to mark the attendance
- Stores attendance in S3(AWS storage service) for easy availability

### Treasure-Hunt(C++)

4th Semester

Features

- Implemented 3 games in various combinations to form a quest with Object Oriented Programming
- Collect clues from different games to unlock the chest at the end

### Image Classification(MRI and X-ray scans)(python)

SmartKnower

Features

- Provides an option to choose between MRI and X-ray
- MRI model classifies brain with a tumor
- X-ray model classifies lungs with a pneumonia

### Covid-19 Report with forecast(python)

SmartKnower

Features

- Data analysis and Prediction of worldwide data on Covid-19 pandemic using Machine learning
- Visualization using Tableau Software for Map charts and Trend analysis

## SKILLS

Python

C/C++

Machine Learning

Artificial Intelligence

JavaScript

HTML

CSS

Data Science

SQL

Teamwork

Problem-solving

Creativity

Communication

Adaptability

## PERSONAL PROJECTS

### Push-up Counter(python)

- Based on Google's Mediapipe library and OpenCV in Python
- Scans body landmarks to detect angle on the elbow and counts push-ups performed on live camera feed or uploaded video

### House Price Prediction(python)

- Based on Random Forest technique.
- Implements a web-app using Flask to provide an interface for choosing options like address and no. of rooms
- Predicts price of a house with the given parameters using python backend and provides output to user on web-application

## CERTIFICATES

### Data Science for Engineers(Elite)

NPTEL(Swayam)

### Introduction to Tensorflow for AI, ML and DL

DeepLearning.AI(Coursera)

### HTML, CSS, JavaScript, jQuery - Level 1

Cambridge Certification Authority

### Python for Everybody(Getting started)

University of Michigan through Coursera

### Python Data Structure

University of Michigan through Coursera

## INTERESTS

MUN Conferences

Classical Literature

Thriller/Horror books

Nature Exploration

Baking