



**JATIN ARORA**

**B.Tech. - CE**

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## BRIEF OVERVIEW / CAREER OBJECTIVE / SUMMARY

An excellent academic record, ability to understand and test software, working knowledge of Azure, and a strong understanding of core internet technologies. I seek to work as a Software Developer Engineer to further my knowledge in the IT domain and utilize my skills.

## KEY EXPERTISE / SKILLS

Machine Learning   Computer Vision   Deep Learning   Artificial Neural Networks   Natural Language Processing   Neural Networks  
CPP   C   Data Structures   Algorithms   Python

## EDUCATION

**J.C Bose University of science & Technology, YMCA**

2017 - 2021

B.Tech. - CE | CGPA: 9.00 / 10.00

**S.D.M.N.Vidya Mandir, Faridabad**

2017

12<sup>th</sup> | Faridabad | Percentage: 94.60 / 100.00

**S. D. M. N. Vidya Mandir, Faridabad**

2015

10<sup>th</sup> | CBSE | CGPA: 10.00 / 10.00

## INTERNSHIPS

**CSIR-CDRI**

Feb. 1, 2019 - April 30, 2019

**Key Skills:** CSS   CSS Flexbox   Javascript   Node.js   HTML5   MongoDB

## PROJECTS

**Theft Detection using Machine Learning**

April 9, 2020 - June 3, 2020

**Team Size:** 2

**Key Skills:**

Machine Learning   Deep Learning   Computer Vision   Data Structures   Natural Language Processing   Python   Javascript

Surveillance System - which can detect 5 things that help in detecting suspicious activity.

The 5 features this system extract from the real-time video are mentioned below:

- 1.) Motion Detection.
- 2.) Facial Expression(if a person is not wearing a mask).
- 3.) Mask Detection.
- 4.) Weapon Detection.
- 5.) It generates the caption of the activity that happened in the specific frame.

Using these 5 features a machine learning model is trained which describes the type of activity that happened or going to have happened.

**Face Mask Detector - Covid19**

May 12, 2020 - May 26, 2020

**Team Size:** 1

**Key Skills:** Deep Learning   Computer Vision   Machine Learning   Python

In this project the face mask is detected i.e. a person is wearing a mask or not. If a person is not wearing mask then that person will not be allowed and if person is wearing mask then and only then person is allowed to enter the room.

**Image Captioning**

April 2, 2020 - May 4, 2020

**Team Size:** 1

**Key Skills:** Machine Learning   Computer Vision   Natural Language Processing   Deep Learning   Artificial Neural Networks   Python

This project is based on the game "PICTIONARY" where a picture is shown to a person, he has to describe. Likewise, tried to do the same with a machine. The Image captioning project is based on deep learning. Which is divided into two parts: 1.Computer Vision 2.Natural language processing. The neural network used resembles ResNet50.

**Face Recognition.**

Dec. 11, 2019 - Dec. 18, 2019

**Team Size:** 1

**Key Skills:** Machine Learning Opencv Python

Facial recognition is a biometric software application capable of uniquely identifying or verifying a person by comparing and analyzing patterns based on the person's facial contours.

ASSESSMENTS / CERTIFICATIONS

**Machine Learning** Oct. 31, 2060

**Key Skills:** Machine Learning Deep Learning Computer Vision Neural Networks Python

EXTRA CURRICULAR ACTIVITIES

- Lead Guitarist at college's music club.

PERSONAL INTERESTS / HOBBIES

- Music, Sports.

WEB LINKS / IMs

- WhatsApp - 7015589400
- LinkedIn - <https://www.linkedin.com/in/jatin-a-5a3286137/>

PERSONAL DETAILS

<b>Gender:</b> Male	<b>Date of Birth:</b> July 1, 1999
<b>Marital Status:</b> Unmarried	<b>Permanent Address:</b> E-28,Neel-Nagar , Nilokheri, Karnal, Haryana,
<b>Current Address:</b> 96/A sec-11D, Faridabad, Faridabad, Haryana, India	India - 132117
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