

# Aditya Kumar

## Software Engineer

I'm a passionate, ambitious tech enthusiast who has developed a mature and responsible approach to any task that I undertake, or situation presented with. As a under-graduate with four years of experience, I am excellent in working with others to achieve a certain objective on time and with excellence.

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## WORK EXPERIENCE

### Internship (ML and Computer Vision) CyberCure Technologies Pvt. Ltd.

05/2019 - 06/2019

New Delhi

*The Company work towards spreading awareness, providing solutions and developing a Better and Secure Digital World.*

#### Achievements/Tasks

- Developed a Face Recognition based Attendance System.
- First version of the Attendance System was created using Tkinter.
- Operations which we can perform using this system- Take Images, Train Images, Mark Attendance and finally generate the report.
- This Attendance System has proved to be a very efficient solution in the COVID-19 pandemic.
- Tools used- Computer Vision, Flask, Bootstrap.

Contact: Mr. Sangeet Chopra - 9555554999

### Software Engineer

#### Johnson Controls (I) Pvt. Ltd.

02/2021 - Present

Mumbai

*The Company transform the environments where people live, work, learn and play.*

#### Achievements/Tasks

- Developed an Automatic Code Generator using GPT3.
- Implemented various Computer Vision Applications such as Face Mask Detection, Face Recognition and Face Emotion Detection using OpenCV library.
- Developed a chat bot using Microsoft Bot Framework along with RASA for backend NLU.
- Implemented various ML and Deep Learning models using scikit-learn, Tensorflow, Keras, and served as an API using Flask.
- Tools used- Python, Flask, Bootstrap, OpenCV, scikit learn, TensorFlow.

Contact: Mr. Jagdish Subba Kotian - jagdish.subba.kotian@jci.com

## EDUCATION

### UG (B.Tech, CSE)

#### Vellore Institute of Technology, Vellore

07/2017 - 06/2021

CGPA - 8.21

### Higher Secondary School

#### Mayo International School, Delhi

05/2015 - 04/2017

Percentage - 80.0 %

#### Courses

- PCM

## TECHNICAL SKILLS

Machine Learning

Deep Learning

Tensorflow

Azure Cloud Platform

OpenCV

Keras

Computer Vision

NLP

Django

R

Bootstrap

Python

Web Development

Computer Vision

Flask

MySQL

Java

C++

C#

Node.js

## PERSONAL PROJECTS

### Forest Fire Prediction Model (06/2020 - 06/2020)

- We can predict forest fire using parameters Oxygen, Humidity and Temperature.
- Tools- Sklearn, Streamlit.

### Face Recognition Based Attendance System (03/2020 - 04/2020)

- The system is implemented using OpenCV in Python
- Tools- Flask, MySQL, Bootstrap, OpenCV

### Invisibility Cloak using OpenCV (04/2020 - 05/2020)

- Here, I have created this magical experience using an image processing technique called color detection and segmentation.
- Tools used- OpenCV, Python.

### Code Generator using GPT3 (05/2021 - 07/2021)

- An automatic code generating application, which will enable a user to generate code with just one click.
- Automate tasks that require language understanding and technical sophistication.
- Tools used - GPT3, Flask, Python.

## CERTIFICATES

### Python Certification from HackerRank (06/2020 - Present)

HackerRank

### Java Certification from HackerRank (07/2020 - Present)

HackerRank

### Machine Learning and Computer Vision using Python (04/2020 - 05/2020)

CyberCure Technologies Pvt. Ltd.

### Data Structures and Algorithms in C++ (04/2018 - 05/2018)

Ducat Education

## PUBLICATIONS

Australian Bushfire Detection Using Machine Learning and Neural Networks, IEEE, (09/2020 - Present)