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)