

Sahil S. Chavan

sahiledupor@gmail.com ✉

8104557876 📞

Thane, India 📍

linkedin.com/in/sahil-chavan in

github.com/Sahil-Chavan 🌐

Self motivated and directed, have applied Machine Learning, Deep Learning and Data analytical skills for building workflows for workable solutions. Used NLP and Computer vision for building craft with comprehensive skillset. A B.E CSE student, highly motivated and hardworking, looking for a responsible role in a reputable organization where I can make the best of my potential and contribute to the organization's growth.

EDUCATION

B.E.

RAIT, DY Patil, Nerul

07/2018 - Present

9.3 CGPA

12th HSC

Pace Junior Science College, Powai

06/2016 - 06/2018

80.15%

10th CBSE

New Horizon Public School, Airoli

06/2015 - 03/2016

10 CGPA

PERSONAL PROJECTS

Application of image classification & CBIR in the E-commerce fashion industry

- An complete E-commerce solution incorporating CBIR using Image as query for buyer and Object Detection and Classification of fashion apparel for automatic tagging of listed products benefiting the sellers.

Traffic Surveillance System

- An OD system for correctly identifying different types of vehicles. I am using an pre-trained SSD Mobilenet V2 model from Tensorflow Model Zoo ,for training I used TFOD and COCO object detection api.
- One can access the system either by the webpage that I have created using Flask, or by using Postman, by accessing the '/api' endpoint.

Automatic Number Plate Recognition

- An License plates detector of the vehicles using Object Detection and subsequently perform OCR over the detected number plate to obtain the registration number in the form of text.
- In terms of implementation I have used SSD ResNet50 (RetinaNet50) for higher accuracy and other one is SSD MobileNet V2 for higher speed, and open source OCR - Tesseract.

Facial Recognition Based Attendance System

- An windows application for marking attendance based on detection on ones face in the camera frame in real time. For face detection MTCNN is used and for face recognition an Neural Network with Arc Loss is used and cosine distance as similarity measure.

Automated Research Proposal approval system

- Developed a system to manage the synopsis generation and reviewal process for research papers with features like version control of applications, dynamic PDF generation, Gantt chart generation, and automated generation of approval letters for DY Patil's School of Medicine.

NYC Cab Prediction Case Study

Stackoverflow tag prediction

WORK EXPERIENCE

Full Stack Developer Intern

SDG RAIT

11/2019 - 05/2021

2 Winter Internships and 1 Summer Internship Under Software Development Group RAIT.

Achievements/Tasks

- Refinement of MY RAIT (college's website) Portal.
- Successfully developed and deployed an client base Research Proposal system for DY Patil Medical College.
- Successfully developed and deployed an client base Application Registration Portal for NSS Mumbai University.

SKILLS & TECHNOLOGIES

Python

Machine Learning

Deep Learning

Computer Vision

NLP

TFOD

YOLO

Tensorflow

Keras

Pytorch

Sklearn

Numpy

Scipy

Pandas

Matplotlib

NLTK

JavaScript

PHP

NodeJS

Flask

MySQL

Public Speaking

Team Builder

CERTIFICATES

Ineuron - Deep Learning Masters (DLCV/NLP)
(10/2020 - 05/2021)

Ineuron - Data Science Architecture
(02/2020 - 05/2020)

Coursera - Python Data Structures
(01/2020 - 05/2020)

EXTRA INFORMATION

> RAIT Social Wing Member [Since 2018] and Organized and was Publicity Leader in Social Wing RAIT's annual fundraiser marathon Udaan [2019,2020]

> NSS Volunteer (Successfully completed 7 day camp) [2019-2021]

> Was invited as an Expert Speaker for the Skill Enhancement Session conducted by SDG RAIT.

LANGUAGES

English

Full Professional Proficiency

Hindi

Full Professional Proficiency

Marathi

Native or Bilingual Proficiency

INTERESTS

Coin Collection

Current Affairs

Watching documentaries and Sci-fi thriller web-series and movies

Songs

Debate