

# Sanket Vavadiya

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## Objective

Continuously grow practical skills in interesting-challenging-emerging fields and make achievements along with good health, wealth and satisfaction.

## Education

Bachelor of Engineering in IT

CPI: 8.68/10

Sardar Vallabhbhai Patel Institute of Technology, Vasad (Expected Graduation: 2021)

Higher Secondary Board

74%

## Projects

Image Classification | Deep learning

May 2020

- Python, Keras
- Simple Image Classification **using CNN** from scratch
- Image classification using **Transfer Learning** by **feature extraction** and **fine tuning** of pretrained models
- Study of **Hyperspectral Imaging** and Classification

Inventory Management System | Desktop application

March 2020

- C#, .net framework, ADO.net
- Log-in, **Add-Update-Delete** item
- Salient feature: **SAP crystal report** provides facility of report generation

Object Tracking | Computer vision

November 2019

- Python, OpenCV, YOLO v3
- **Classification** among different **80 objects** with very **high confidence score** using pre-trained YOLO-v3 model
- Creates **Bounding Boxes** around objects and assign them ID no to uniquely identify each **object detection**
- Based on calculated **distances between centroids** they keep **tracking** the object in **consecutive videoframes**

Online Music Website | PHP

June 2019

- HTML, PHP, JavaScript, MySQL, phpMyAdmin
- Signup-Login, edit **profile**, Create-Edit-Delete **Playlists**
- **Search** and **play** songs by category, author, language, **download** song if logged-In and account is verified, add to **favourites**, **Verification & Forgot password** through registered mail

## Technical skills

Data Structures and Algorithms

Language: Java, C++, C, Python (Basics), JavaScript, SQL

Other Skills: Deep learning, Web development

Tools/Software: Jupyter notebook, Visual Studio, phpMyAdmin, GitHub, Excel

## Certificate

- Deep Learning specialization

## Interest

- Coding
- Deep learning

## Extra-curricular

Technical coordinator – Coding club, SVIT	June 2019 - May 2020
Campus Ambassador – Geeks for Geeks	June 2019 – May 2020
Promotion Volunteer – Prakarsh National level Techfest	February 2019
Event co-head – Vision Festival at SVIT	September 2018

## Hobbies

YouTube  
Cooking  
Road trips  
Playing cricket