

Shivam Tyagi

Computer Engineering

Gujarat Technological University



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EDUCATION

B. Tech(Computer Engineering)
Government Engineering College Dahod

2017 - Present

CPI - 8.65

AISSE

Ambe School CBSE, Vadodara, Gujarat(83%)

AISSE

Ambe School, Vadodara, Gujarat(9.8 CGPA)

PERSONAL PROJECTS

Brain-O-Robot (2018)

- Implemented in 1st year techfest as a robot racing event.
- Setting up the concentration Proportional to speed, robot racing was conducted using neural sensing headset.

Wall-E (2018 – Present)

- Components used : Raspberry pi3, webcam, ESP8266, Robot body etc.
- Courses referred : IOT#3, IOT#4, Driving Car (Deep learning, openCv, c++). – by RandeepSingh .
- Its is still in Progress. Initially rasp pi3 is installed with Linux System.
- Object detection model is implemented on raspberry pi3 and also the communication is established with esp8266 using MQTT protocol.
- Image Processes using openCv library and robot analysis own path after catching up the initial pattern.

Website (04/2020)

- It is build from Scratch. No existing templates or build in tools are used.
- languages used: HTML5, CSS3, Js, jQuery,PHP and MySQL.

Automated Watering System (2018)

- Installed an automatic Watering system at HOD's house.
- Used basic arduino code and Solenoid pump to control water flow, implanting himidity sensor in plant pots.

GUI Cafe Management System using Python (2018)

- User press buttons for the choice of his coffee and the bill is generated in GUI calculator .
- In this Project , learned Python basics and creating frames, menus & payment info display on Calculator screen.

Flutter FireBase(07/2020)

- Build Drive_and_Ride app. using Flutter with Firebase.

SKILLS

Design and Analysis of Algorithms

OS

CN

Computer Org. and Architecture

Data Structures

Software Engg.

Database Management System

ACHIEVEMENTS

First Rank Holder Certificate

Best Technical Event in college Techfest - 2018

EXTRA-CURRICULAR ACTIVITIES

Class Representative (2017 – Present)

Runner up in inter Gov. college coding fest

State Level Table Tennis Competition(Singles) (2019)

Ignite - College techfest Coordinator (2018 – Present)

GTU Innovative Council (GIC) member (2019 – Present)

My hobbies include cycling, competitive coding, writing,philosophy and watching TED talks.

EXTRA PURSUED COURSE

The Web Developer Bootcamp (2019)

-Colt Steele

Python GUI Programming using Tkinter and Python
(12/2018 - 01/2019)

-EDU CBA

Machine Learning With Python (IBM) (2019)

-Saeed Aghabozorgi

IOT#1, IOT#2, IOT#3, IOT#4 (2018 - 2019)

(Basics-Advance-ESP8266-Rashberry Pi) -EDU CBA

Java-In-Depth: The Complete Java

KEY SKILLS

Python

Intermediate(3 on 5)

C++

Professional Proficiency(4 on 5)

Java

Intermediate(3 on 5)

PHP

Intermediate(3 on 5)

OTHER BASIC SKILLS

JavaScript

SQL

HTML5

CSS3

Machine Learning

JSP

IOT

Convolutional Neural Network