

# CURRICULUM VITAE

## Personal Details

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Nationality Indian



## Experience:

12/2019-09/2020  
Heidelberg, Germany

### **Research Student (SRH University Heidelberg)**

- Researched intensively on the topic "Behavior of Self Driving Cars after sensor actions" by studying certain Object Recognition techniques.
- Also learnt ROS (Robot Operating System) and OpenCV in Python which plays important role in Path Planning and Object Detection.

06/2017-08/2017  
Vadodara, India

### **Intern (Reliance Industries Ltd)**

- Worked as an Intern in the Computer Science Department of the company on Innovations for Telecommunication Network and the first 5G network in India "Jio5G".
- Also, kept a check on the Virtual Machines maintenance and developed company software for remote access.

## Education:

10/2018- 10/2020  
Heidelberg, Germany

### **M.Sc. Applied Computer Science (GPA: 2.2)**

Modules:

- User Experience and Interfaces
- International Project Management
- Software Development and Architecture
- IT-Security and Data Analysis

06/2014-05/2018  
Vadodara, India

### **Bachelor's in computer engineering (GPA: 2.1)**

Modules:

- Object Oriented Programming with C++
- Core Java, and Python
- Artificial Intelligence (AI)

## **Projects:**

04/2020-10/2020

### **Master Thesis (SRH University Heidelberg)**

- Worked intensively on the thesis topic "Evaluation of SLAM techniques for Localization and Mapping of Self Driving Vehicles" by studying various object recognition and path planning techniques.
- Also learnt Robot Operating System and OpenCV in Python which play an important role in object recognition and path planning concepts.

11/2019-12/2019

### **User Interface Designing (Interface Designer)**

- Made some use cases and interfaces for the project "Smart Network" which basically was made to display Instagram and Facebook on a single page to remove the navigation feature which users did while changing from one platform to other.
- Also, introduced the voice assistant feature for helping the impaired people so that they can navigate to various pages/websites.

07/2019-08/2019

### **Application Development (Frontend Developer)**

- Developed a Fitness tracker application which used to track the intake of calories in a person's body and keep the record of the result.
- The framework vue.js was used as a frontend framework and node.js was used as a backend framework.

01/2019-02/2019

### **Database Development (Database Administrator)**

- Developed "Know Your Candidate" database system which stored the history of the elections held in Germany and help the people to choose new candidates from past appearance.
- The databases MongoDB, Neo4j, Redis were used for input data, create relations, and update changes respectively.

## **Skills:**

Python



C++



Microsoft Office



ROS	
Web Development	
UX Design and Implementation	

## **Languages and Soft Skills:**

English	Native	• Problem Solving
German	Business fluent	• Effective Communication Skills
Gujarati	Native	• Adapting new surroundings
Spanish	Basic	• Flexible

## **Certificates:**

- Deutsch Telc B2 - DTZ (Deutsch für Zuwandere)
  - Robotics Seminar IIT Madras – Workshop
  - Computer Vision Coursera bootcamp
  - Principles of Project Management Udemy
- Overall – B2

## **Other Interests**

- Playing Sports (Cricket, Tennis)