

# AASHAY PHIRKE

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## EDUCATION

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<b>Sardar Patel Institute of Technology, Mumbai 400058</b> Bachelor of Engineering . Department of Electronics and telecommunication Engineering	<i>2016 - 2020 (projected)</i> pointer (VII sem): 7.3
<b>M.H. High School and Jr College, Thane</b> HSC .	<i>March 2014</i> Overall Percentage: 74.14
<b>S.E.S. High School and Jr College, Thane</b> SSC.	<i>May 2016</i> Overall Percentage: 86.4

## CAREER OBJECTIVE

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To work for an organization which provides me the opportunity to improve my skills and knowledge to grow along with the organization objective.

## EXPERIENCE

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<b>Embedded Systems Intern, Suyog Company, Mumbai</b> <ul style="list-style-type: none"><li>• Worked on Smart Fault monitoring system for SMPS.</li><li>• Built a hardware which was connected to SMPS and sent data to company servers for monitoring the device</li></ul>	<i>Jan 2019 - April 2019</i>
<b>Website Testing Intern, Connista LLC, Texas, Dallas</b> <ul style="list-style-type: none"><li>• Tested and recommended improvements for many websites.</li><li>• Helped in finding loopholes in website and improve its security .</li></ul>	<i>June 2018 - August 2018</i>

## PROJECTS

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<b>Security and Automation for Buildings.</b> <ul style="list-style-type: none"><li>• using texas instruments board cc3200</li><li>• AWS ec2 instance for computing and communication</li><li>• created PCB board interfacing different sensors and actuators with cc3200 wifi module</li></ul>	<i>sept 2019- now</i>
<b>Portfolio web Application</b> <ul style="list-style-type: none"><li>• used nextjs mongodb node express</li><li>• Authentication for valid email only</li><li>• Implemented SEO on the application</li></ul>	<i>April 2020- May 2020</i>
<b>Social Media Web Application.</b> <ul style="list-style-type: none"><li>• Done a solo project using Mongoose Express React Nodejs</li><li>• Authentication using facebook google and only valid emails</li></ul>	<i>March 2020- April 2020</i>

## Face detection and Recognition.

January 2020- May 2020

- using deep learning Model face detection and recognition
- attendance automatically marked on google spreadsheet and monthly report generated
- Mail alert will be sent to students who are defaulters

## Build an ARM controller board interfacing IoT.

May 2019- June 2019

- Building an IOT based portable device which can control Ac devices, Motors.

## Worked on a project called smart plant incubator

Aug 2018- April 2019

- Used concepts of IoT to build an environment ideal required for plants to grow.
- Gained experience of Texas products: CC3200,MSP430 and IBM cloud.

## Robotics

March 2017- Feb 2018

- line Following robot.
- Remotely controlled automobile.
- Path planning robot.

## COMPETITIONS

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### Qualified for Quarter finals in Texas Instruments .

Sept 2019 - now

- Entered with the project Security and Automation for Building.

### Qualified for Semi finals in Texas Instruments .

Sept 2018 - March 2019

- Entered with the project Smart Plant Incubator.

### Qualified for 3rd stage in E-yantra

Nov 2018- Feb 2019

- Aim was to implement line following techniques and path planning algorithm
- Used V-rep, Visual Studio and working with robot

### Qualified for 2nd Stage in E-yantra competition

Nov 2017- Feb 2018

- Gained knowledge of image Processing
- Used python, Raspberry Pi 3 and working with robot

## TECHNICAL STRENGTHS

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### Software and Tools

AutoCad, Eagle, Keil, proteus, CCS, HFSS

### Programming language

Python, C, embedded C, HTML, Bootstrap, JS, nodejs , node-red.

### Boards

Atmega, Raspberry Pi,Bolt board, esp8266, LPC2148, MSP430, CC3200

### IoT Platforms

Bolt, IBM, Reliance Unlimit, ThingSpeak.

### Cloud Platforms

Amazon Web Service

### Web Development

MERN Full Stack

## **EXTRA-CIRRUCULAR**

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- Participated in many social work activities including beach cleaning, teaching underprivileged children 2017-2019
- PR Head of IETE Committee in SPIT college 2018-2019
- Head of operations for Oculus, college fest in 2018
- Member of Rotract Club of Andheri from 2016 - 2018
- Attended many marathon events. 2016-2018

## **PERSONAL TRAITS**

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- Highly motivated and eager to learn new things.
- Strong motivational and leadership skills.
- Ability to work as an individual as well as in group.