Sorabh Rathod

7/32,Sarvodaya Estate,
Chembur,
Mumbai - 400071,
Maharashtra.

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OBJECTIVE
EDUCATION

Degree	College/School	University	Passing Year	Pass Percentage
SSC	Saraswati Vidyalaya	M.S.B.H.S.E	2013	92.55 %
HSC	Swami Vivekananda	M.S.B.H.S.E	2015	91.09 %
B.Tech	K.J.S.C.E	Mumbai University	2019	9.45 GPA

PROJECTS

1. Developed Disaster Detective Drone to find people trapped due to any natural calamity and help rescue them.
2. Developed an Eco-Reflector for lights using shiny surface of plastic wrappers.
3. Developed a prototype of car for handicap operating on timer using IC555.
4. Developed a Solar Boiler with modification to enhance its performance.
5. Project on comparison of performance of different Facial Recognition algorithms
6. Accomplished line following using PID on lpc2148.
7. Develpoed a robot being controlled via a webpage using RaspberryPi and Arduino, with access to registered user.
8. Developed an android application for image recognition using IBM Waston API.

TRAINING &
INTERNSHIPS

Embedded Designer
Tortoise Learning

January 2018 - June 2018

- Worked on development of embedded systems and made wireless robots for school students in order to give them an overview of robotics platform and how it can make lives easy.
- Developed a wireless soccer robot for the students to have robo soccer.

Content Developer
Visha World

June 2018

- Worked on content development of sensors like temprature sensor (DHT22), accelerometer and displays like TFT display, OLED display etc.
- Content included technical specifications of module and providing their sample arduino code with library of the module.

Embedded Programmer
K.J.S.C.E

June 2018

- Learned the basics of I2C protocol and established communication between two atmega 2560 boards.
- Worked on interfacing of accelerometer with firebird V robot (ATmega 2560 board).

Embedded Developer
Cresla

June 2018 - Present

- Worked with this company's project based on agricultural purpose using Arduino and Raspberry Pi.
- Worked on framework like NodeRed for GUI development of project on RaspberryPi.

TECHNICAL SKILLS

- Internet of Things (IoT)
- Arduino (Advanced)
- Atmel AVR
- Embedded Systems
- ARM Microcontroller
- Raspberry Pi
- MSP430
- Robotics
- AutoCad
- Hardware Debugging
- C Programming
- Java (Basics)
- Web Development (Basic)
- Node Red
- MATLAB
- Python
- MySQL Server
- Data Analysis using R
- Machine Learning
- Neural Networks
- Data Visualisation

SOFT SKILLS

- Communication
- Clarity
- Confidence
- Listening
- Coordination
- Idea Exchange
- Team Management
- Optimism

- Self-motivation
- Decision making
- Experimenting
- Initiative
- Commitment
- Time-management
- Public speaking
- Observation

EXTRA-CURRICULAR ACTIVITIES	Eyantra Robotics Competition, *Team Leader*	August 2016 - March 2017
	Texas Innovation Challenge *Team Leader*	August 2018 - December 2018
	Eyantra Robotics Competition, *Team Leader*	August 2018 - March 2019

CO-CURRICULAR ACTIVITIES

- Represented department in Chess at inter-department sports event.
- Represented department in Carrom at inter-department sports event.
- Attended a workshop on MSP430 by Texas instrument.
- Represented department in Cricket at inter-department sports event.
- Attended a workshop on Internet of Things by ATS Learning Solutions.
- Represented department in Badminton at inter-department sports event.

Personal Details
Father's name : Dharmendra Rathod.
Mother's name : Meena Rathod.
Sex : Male.
Date of Birth : 22 July, 1997.
Martial Status : Unmarried.

Reference
Vishwajit Parmar
CEO,
Cresla
Chembur,Mumbai.
98814 62555

Chandra Shekar
CEO,

Tortoise Learning
Madhya Pradesh.
89598 44865

Sachin Gala
Buisness Development Executive,
NJOY3D
Mumbai.
81087 96597

Declaration I hereby declare that above-mentioned information is correct to the best of
my knowledge and belief

Date April 17, 2019