

Ruthvik Suresh Vachhani *(Mechatronics Engineer)*

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Objective

Hello, Recruiters hope you are doing well. I am Ruthvik Vachhani self-motivated individual working in TCS for the last 1 year as full stack developer by this work experience and continuous learning I have gained skills to develop complete end-to-end web apps in MERN stack and java spring boot.

I am also interested in learning new technologies like AI, ML and Blockchain. I am looking for a job where I can put my skill to work and develop skills in my field of interest.

EDUCATION

Terna Engineering College

Navi Mumbai, Maharashtra

Bachelor of Engineering in mechatronics

2021

- **CGPA:** 8.12
- **Relevant Coursework:** embedded programming, OOPS concept, c and python programming, circuit design, robotics, communication and control system.

B.S.M.'s Junior College

Thane, Maharashtra

H.S.C.

2017

- **percentage:** 71.38%

Azad English High School

Thane, Maharashtra

S.S.C.

2015

- **percentage:** 80%

WORK & LEADERSHIP EXPERIENCE

TATA Consultancy Services Limited.

Thane, Maharashtra

Assistant System Engineer

JUNE 2021 -

- Received knowledge on microservice spring boot and MERN stack
- Worked on creating reusable component in react.js and state management using hooks and redux
- Been able to create AIPs in spring boot and express.js (node.js), connect it with DBs, and frontend using react.js (fullstack)
- Worked on mysql, oracle and mongodb database's for creating and maintaining data.
- Learned to work on Git to maintain code
- Got experience to work in agile framework

M.A.R.S.A. Committee

Navi Mumbai, Maharashtra

Co-Technical Secretary

AUGUST 2019 – APRIL 2021

- I was the part of core committee to organized event and responsible for the technical events. We managed to organized event that made student to relax, learn and grow.
- We regularly inspire junior to join as the executive

CEMS, Powai

Mumbai, Maharashtra

Design Apprentice

JUNE 2019 – JULY 2019

- Learned how the designing of part is done and how its complete life cycle maintained.

Projects

Fire alarm warning system

- This project was aimed to design circuit that will detect temperature and alert for fire. We incorporated IC555 and PTC thermistor in this project.

Forward collision warning system

- We designed a system using Arduino UNO and Ultrasonic sensor which will alert driver about approaching vehicle and has given warning for collision.

Parking assistance system

- Aim of this project was to develop system which will map the parking space using Occupancy grid algorithm. We have use array of Ultrasonic sensor for mapping the parking space.

FullStack User Management Site

- In this project I learned to make UI using react and connecting react UI with Spring Boot application which implement simple CRUD operation and change data in MySQL database.

Command line Banking App

- In this project I tried to implement code in python which will do the basic banking function like Log IN, transaction, balance check and balance update

Demonstration of waste management

- We demonstrated how to manage the waste by the miniature model.

SKILLS, ACTIVITIES & INTERESTS

Technical Skills: MERN Fullstack, react (web and native), Node.js, Express.js, MongoDB, C, C++, java, python, HTML, CSS, Java Script, Oracle, MySQL, embedded C, springboot, spring mvc, microservices.

Certifications & Training:

- Eyantra crash course in Embedded C
- Node.js Development Course
- machine learning onramp
- Essentials for Cloud Computing
- Go Java Full Stack with Spring Boot and React
- Master Microservices with Spring Boot and Spring Cloud
- React.js Essential Training

Activities:

- Eyantra Robotics Competition 2018-19 & 2019-20
- Publicity committee
- MARSA committee
- TEC Robo committee
- Presented paper on EQUINOX – 2021 International Conference
- Published paper on JETIR
- Volunteer in Swachh Bharat Abhiyan

Strength: Fast Learner, Organized, Team Player.

Languages: English, Hindi, Gujrati, Marathi