

# Rushank Shah

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## Technical Skills

### Languages & Databases:

Java, Dart, Javascript, C, Python, OOPs, HTML, CSS, SQL, NoSQL

### Mobile, Web & Desktop Frameworks:

Flutter, ReactJS, NodeJS, Spring, Hibernate, Django (Basic), Bootstrap, JavaFX.

### Software & Tools:

Git, GitHub, Firebase, MongoDB, MySQL, Visual Studio Code, Android Studio, Arduino IDE, Jupyter Notebook, Scikit Learn, Tensorflow Estimator API.

### Embedded Systems:

Arduino, Sensor integration, IOT, Bluetooth, Motors and other hardware and software-based integration.

## Education

### B.E. IN INFORMATION TECHNOLOGY (EXPECTED MAY-2022)

*Dwarkadas J. Sanghvi College of Engineering, Mumbai. CGPA – 9.19.*

### 12<sup>TH</sup> STANDARD (FEBRUARY 2018)

*Samata Vidya Mandir Junior College of Science and Commerce, Mumbai. (HSC board). Score - 84.62%*

## EXPERIENCE

### METX ROBOTICS (APRIL 2019 – PRESENT)

Research and Teaching assistant (Technical – Software)

- Worked in various automation projects like Line Following Robot, IOT based automation system, etc.
- Experienced in teaching over 20 students in STEM education and about 12 students for coding skills in C programming.

### COMPUTER SOCIETY OF INDIA (DJCSI) (SEPTEMBER 2019 – PRESENT)

Publicity Team

- Worked towards conducting National level events with enormous participation from all over India.

- Built a large connection of people and have been to various Colleges across Mumbai to publicize events and make them a successful one.

## **TRINITY – DJSCE (FEBRUARY 2020 – APRIL 2020)**

Captain of the IT Department – 2020

- Lead the whole inter-department cultural competition which is almost about 2 months long.
- The team secured runner's up position with a minimal amount of budget and resources.

## **Projects**

### **VIRTUAL LABS**

A complete app-web based virtual simulation of Science experiments for secondary section students which is hosted at olabs.edu.in repository in collaboration with CDAC. (Technology used – Flutter, ReactJS and Rive)

### **HEALTHCARE ECOSYSTEM**

A complete online based Web-App ecosystem for healthcare management system with a QR based authentication and cloud storage for each record and reports. It also had features like Mental health tracking using personal diary and WhatsApp based Chatbot for immediate support. (Technology used – Flutter, VueJS, NodeJS, MongoDB, ExpressJS, Python)

### **AYURVEDA CLINIC MANAGEMENT SYSTEM**

A custom Desktop Application built for an ayurvedic doctor for automating his data management system and custom PDF generator which he could use to print and share his prescriptions. (Technology user – JavaFX, Apache PDFBox and MySQL).

### **U-CONNECT**

A Cross platform (Android and iOS) application for real time chatting and features like Video calling and image sharing. (Technology used – Flutter, Firebase, Agora RTC)

*\*Apart from these projects I have also worked on various hardware-based projects in my internship which include IOT and Automation with the use of complex hardware like Servos, Arduino, Bluetooth and WiFi modules, etc. I have also developed mobile apps in different domains like Augmented Reality, Bluetooth control and IOT based apps.*

## **Achievements and Extra-Curricular**

- Secured 4<sup>th</sup> place in Scholastic robotics Competition organised by IIT Bombay (National level)
- Finalist in Hack the Hourglass Hackathon organised by IEEE-MAIT
- Written a research thesis under METX Robotics for Line following Robot using PID based Algorithm.
- Cleared with first division with distinction in Bal Junior and Bal Senior in Keyboard organ from Bharatiya Sangeet Samiti
- Managed a complete event at NESCO Exhibition centre for METX Robotics. (3-day long event)
- Participated in Business Plan competition organised by D.J. Nirmithi in collaboration with ISME and DJSCE