

# Jayesh Singh

Full time software developer, Enthusiast to work on new and latest Tech.

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## EXPERIENCE

### PT-Terado Engineering Pvt. Ltd, Mumbai—Senior Software Developer

April 2019 - PRESENT

Responsible for all Product based Software development activities, the major product was to build an online Pollutant monitoring System named Ecolyser.

## PROJECTS

### Ecolyser Backend —Backend Service for Online Monitoring System

It includes django based API's for collecting Pollutant Data from Ecolyser Devices deployed on site(Industries), It also processes the data, generates reports and alerts, and serves configuration details to Ecolyser Devices. API's are used in [ecolyser.com](http://ecolyser.com) and [Ecolyser App](#).

### Ecolyser HMI firmware—HMI display firmware

It's a kivy based app that run's on raspberry Pi screen to render pollutant data on site and configure Ecolyser in Offline mode.

### Ecolyser Client Firmware—Data Acquisition Software

It is responsible for collecting data from analyzers and sending to Ecolyser Server, Also It stored backup data for 90 days.

### DDT protocol—Communication protocol for all Ecolyser

It is an MQTT based mechanism that enables all Ecolyser devices to communicate on subscribe and publish protocols.

### Ecolyser App—Android App for Monitoring Data

It is a Kotlin based app built for monitoring pollutant data from Ecolyser devices. [Click](#) here to download apk.

## SKILLS

Software Development

Software Architecture Design

Troubleshooting

Communication Skills and  
TeamWork

Prototyping Softwares

## TECHNOLOGIES

Android Development

Web Development

Git and Github

Game Development using Unity

Internet of Things(IoT)

## PROGRAMMING TOOLS AND LANGUAGES

Python

Kotlin

MongoDb and SQL

Javascript

HTML and CSS

## LANGUAGES

English, Hindi, Marathi

## EDUCATION

### **D.G Ruparel College, Mumbai— *Bachelor of Computer Science***

June 2016 - March 2019

CGPA : 8.40 | Grade : A+

### **Viva College, Virar — *Higher Secondary Certificate(HSC)***

June 2014 - March 2016

Percentage : 62% | Grade : A

### **Mount Mary English Schools, Virar — *Secondary School Certificate(SSC)***

June 2014 - March 2016

Percentage : 88% | Grade : A

## HOBBIES

Playing Chess

Writing

## ACHIEVEMENTS

Won Conciliation Price at District level chess championship

## DECLARATION

I Mr. Jayesh Rakesh Singh, hereby declare that the information contained herein is true and correct to the best of my knowledge and belief.

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**Jayesh Singh**