

# Vraj Kotwala

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📍 Mumbai, MH, India



## Education

Present  
Nov 2020

University of Mumbai, India

M.Sc. Big Data Analytics at Jai Hind College (Autonomous), Data Science & Analytics, Statistics

Aug 2020  
June 2017

Maharaja Sayajirao University of Baroda, India

Bachelor of Computer Applications (Hons.) | CGPA 8.27/10 | 90.4 percentile in class of 70

Activities & Societies: Cyberia - Technical Team Member

- **Relevant Coursework:** Data Structures, SQL, Object Oriented Programming (OOP), Computerized Accounting, Fundamentals of Management, Operating Systems, DBMS, Computer Networks, Computer Hardware, Unix & Shell Scripting, Business Modelling, Cyber Law, Software Engineering, Artificial Intelligence, Discrete Mathematics, Statistical Data Analysis, Business Intelligence, Machine Learning, Inferential Statistics.

## Experience

Jan 2020  
June 2020

Rishabh Software | RISE, Vadodara, India

Software Developer Intern (ML, Data Analysis) | Advisors: Dr. Falguni Ranadive, Gagan Dubey

Developed an Emotion Recognition system with

Convolutional Neural Networks using Tensorflow 2 and OpenCV.

## Skills & Competencies

Languages	Python, Java, SQL, JS
Frameworks	OpenCV, Tensorflow2, Tkinter, Server-side Servlet webAPI
Technologies	Git, AWS, MySQL, Tableau
Other Skills	Agile Project Management, Presentation skills, Graphic Design
Operating Systems	Ubuntu, macOS, Windows
Spoken Languages	English, Hindi, Gujarati

## Selected Projects

Emotion Recognition System using Convolution Neural Network | [Documentation](#)

Built with Python 3 with RISE | MSU - Department of Computer Applications

> Detects human emotions in real time. Uses OpenCV-python, Tensorflow.

> Trained on FER-2013 dataset.

Attendance System Report Generation | [Documentation](#)

Built with Java under [Krishnanand Rastogi](#) | MSU - Department of Computer Applications

> Reports on Lab-Attendance of the students of CA department, MSU

> Made with Java Servlets

> Got recognition for the same.

Biometric Attendance System on RaspberryPi

Built with Python 2 under [Krishnanand Rastogi](#) | MSU - Department of Computer Applications

> Fingerprint Attendance Management System

> Made with Python2 and RaspberryPi Zero

> Got recognition for the same.

Jan '20 - June '20

July '19 - Jan '20

July '19 - Jan '20

## Honours and Awards

Statement of Originality and Project Completion certificates -

Bio metric Attendance for CA dept., MSU

Made a fingerprint attendance system as a 5th-semester project @MSU-Baroda.

Deployed the device in CA Lab. Got Recognition for Completing the Project.

Jan '20

## References

Meghna Desai  
Assistant Professor  
The Maharaja Sayajirao University  
[meghna4u@yahoo.com](mailto:meghna4u@yahoo.com)

I have had the privilege of teaching Vraj in his undergraduate course. Vraj is an exceptionally intelligent, industrious, focused and disciplined person. He will always be an asset to any academic/ industrial institution he joins. Wishing him the best that can be!

Gagan Dubey  
Technical Trainer and mentor  
Rishabh Software  
[gagan.dubey23@gmail.com](mailto:gagan.dubey23@gmail.com)

Vraj is a person with a learning attitude who believes in straight-thinking and has a strong knowledge of machine learning concepts.

Krishnanand Rastogi  
Assistant Professor  
The Maharaja Sayajirao University  
[Krishrastogi3@gmail.com](mailto:Krishrastogi3@gmail.com)

Kshitij Tripathi  
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