

# Rajat Shenoy

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## Education

**Sardar Patel Institute of Technology.** 2018-Present

- B.Tech - Information Technology, CGPA - 9.8/10

**Vartak College, Vasai.** 2018

- XII - HSC, 96%

**Holy Paradise High School, Vasai.** 2016

- X - SSC, 93.4%

## Internships

**Backend Developer**, Trumpet Media Jul20-Sep20

- **Tech Stack-** Celery, RabbitMQ, Scrapy, Django,
- Programmed web scrapers for extracting product details and reviews achieving a speed of **200 items/min**
- Developed a product with **asynchronous scraping jobs** to see well performing tags, commonly used along tags and performance of our posts on the tags

## Curricular Achievements

- **4th Place**, SPTBI Start-a-thon 2.0
- **Finalist**, Smart Aurangabad Hackathon 2020
- **1st Place**, FSAI Case Study Competition 2019

## Co-Curriculars

**JPMC SCOPE Track**

- Developed bots for scraping in **Automation Anywhere**
- Data Transformation, Preparation using **Alteryx**
- Introduction to **Markets, Matching Engine and Software Development Life Cycle**

## Extra Curriculars

**Technical Head**, Oculus 2021 Dec20-Feb21

- Structured the entire database using **Cloud Firestore**
- Wrote the authentication system for the website.
- Developed Gallery and Event Pages using **React**

**Finance Head**, Oculus 2020(Codatron) Dec19-Feb20

- Created different financial models, managed entire finances and generated report sheets
- Coordinated with a team of 8, to cater to **250+ participants**

## Social Work

**Beach Cleaning**

- Volunteered and successfully completed 16 hours of Beach Cleaning activity at Versova from July 2019 to February 2020

## Technical Skills

**Languages**

- Python, Java, C

**Web Development**

- HTML, CSS, JavaScript, Bootstrap

**App Development**

- Android(Java)

**Frameworks**

- Django, Scrapy, React, Express.js

**Database Systems**

- Postgres, MySQL, MongoDB, Firebase, Elasticsearch

## Projects

**Crime Mapping and Prediction**

- Accumulated, cleaned and transformed crime data of London using **Python** libraries
- Visualized the data on a **Mapbox** Map of London
- Analyzed the data using Python libraries and created a **ML model** to predict future crimes in a region.
- Integrated the model in **Django** and used **React** to create a webapp to display the predictions.

**Matching Engine**

- Studied about order and trade types, directives and designed the database schema using **SQLAlchemy**
- Wrote the market order trading and matching code in the backend using **Flask**. Integrated stop and stop limit orders in the matching engine
- Worked in a team of 10 people following the **Agile** Methodology, collaborated using GitHub

**Social Media API**

- Handled Authentication in **DjangoRestFramework**
- Follow a user, post a status, like, comment and share a status features were implemented
- Tried to implement an autocomplete feature, which corrects for spelling mistakes, case insensitivity, and incomplete words search using Levenshtein distance and regex

**Inventory Management System**

- Handled the authentication, equipment cataloging, logs of trade in **Express.js** for an inventory management system web app
- Designed the Database Schema from scratch following the concepts of DBMS
- Created a mobile app for maintenance handling which interacted with the same API