

# Rajat Shenoy

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## Education

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

- B.Tech - Information Technology, CGPA - 9.81/10

**Vartak College, Vasai.** 2018

- XII - HSC, 96%

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

- X - SSC, 93.4%

## Internships

**Backend Developer, Skinzy** Jan20-Aug21

- **Tech Stack- Django, AWS**
- Implemented an Image Library using **Django** and **S3**.
- Reduced the response time of predictions by using **S3** triggered **Lambda** function running the ML model using **EFS**, converting to an asynchronous request flow.

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

- **Tech Stack- Celery, RabbitMQ, Scrapy, Django, MongoDB, Elasticsearch, Kibana**
- Programmed web scrapers for extracting product details and reviews, achieving a speed of **200 items/min**
- Developed a product with **asynchronous scraping jobs** to extract well performing tags

## Curricular Achievements

- **Finalist**, DJSCE CodelT'20
- **Finalist**, SPTBI Start-a-thon 2.0
- **Finalist**, Smart Aurangabad Hackathon 2020
- **1st Place**, FSAI Case Study Competition 2019

## Co-Curriculars

**JPMC SCOPE Track**

- Developed scraping bots 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**
- Handled Authentication and developed Gallery and Event Pages using **React.js**.

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

- Created financial models and handled reports
- Worked in a team of 8, to cater to **250+ participants**

## Technical Skills

**Languages**

- Python, Java, C, JavaScript, TypeScript

**Frameworks**

- Django, Flask, FastAPI, Express.js, Svelte, React.js, Bootstrap, Scrapy

**Database Systems**

- Postgres, MySQL, MongoDB, Firebase, Elasticsearch

## Projects

**English to Python Transformer**

- Created a **Transformer** Machine Learning Model to translate English statements to Python Code.
- Built a simple code editor in **React.js** and integrated the model using **Django**

**Crime Mapping and Prediction**

- Visualized the Crime data on a **Mapbox** Map of London using **React.js**
- 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.js** to create a webapp to display the predictions.

**Matching Engine**

- Designed and implemented the market and limit order trading part of the system using **Flask** and **SQLAlchemy**
- Worked in a team of 10 people following **Agile** Methodologies, collaborated using GitHub

**Inventory Management System**

- Handled the authentication, equipment cataloging, details of trade in **Express.js** deployed on **Heroku**
- Designed the entire database schema and wrote triggers and functions in **PostgreSQL**

**Social Media API**

- A Twitter-like API using **DjangoRestFramework**
- We can follow other user, post a status, like, comment and share a status and see a feed.

## Social Work

**Beach Cleaning**

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