

# VIRANG PAREKH

Email: [virangparekh73@gmail.com](mailto:virangparekh73@gmail.com)  
Github: [VirangParekh](#)

Mobile: +91-8390892492  
LinkedIn: [Virang-Parekh](#)

Location: Mumbai, India

## OBJECTIVE

To explore new areas and domains in the world of computers while working in a dynamically stable organization which helps me grow and improve my skills. Currently looking for Internship level positions in a reputable organization to utilize my technical and management skills for the growth of the organization as well as to enhance my knowledge about new and emerging trends in the IT sector. I have worked previously with Software Development, especially Web based Technologies and I am currently looking for a position and a role which helps me explore incrementally in the field of Computer Sciences and Information Technology.

## ABOUT ME

- I, Virang Parekh, am a Computer Engineering student from Dwarkadas J. Sanghvi College of Engineering, Mumbai, currently in the Junior year.
- I am a sincere, observant and an adaptable individual, and my love for real-life problem solving through computer based and digital solutions has gotten me deep into product development.
- I have a flair for critical thinking, streamlining processes and structuring complex systems.
- I specialize in digital products, systems and their development with simplicity as their core feature.
- I am trained in **database management, multiprocessing, task queuing, product structuring, algorithm development, back-end engineering, front end development, templating, responsiveness and functional development**.
- Besides this, I am also skilled at **Robotic process automation, web scraping and crawling, working with Citrix environments, machine learning, machine vision and image processing**.
- Apart from that, I am a poet at heart, a writer and a voracious reader.
- I have been a part of the Official Drama and Street play club of the college and I have worked - writing and acting in various street plays themed around Protection of women against domestic violence and child abuse performed in and around Mumbai and a few other cities.

## EDUCATION

**DJ SANGHVI COLLEGE OF ENGINEERING** - BE Computer Engineering **2018 - 2022** (8.58 CGPA)  
Subjects: Data Structures and Algorithms, Python Programming, Web Development, ML & Image Processing

**GEETA MATA JR. COLLEGE** - HSC (12th Standard) **2016 - 2018** (86.62%, 2nd Rank Overall)  
Electives Chosen: Information Technology ( HTML, CSS, JavaScript, ASP.NET)

**PODAR INTERNATIONAL SCHOOL, PIMPRI** - ICSE (10th Standard) **2016** (93.2%)  
Interests: Computer Applications (Java), Theatre, Public Speaking

## EXPERIENCE

**SENQUIRE- SWD & DA Intern** (Django-Cookiecutter, Plotly.js, celery and sci-kit learn) **Sept 2020-Dec 2020**

- Worked on a **machine vision** based project used to provide live feedback of the scrutiny and condition of a machinery part.
- Worked on **multiprocessing, preprocessing of data, queuing processes** and building a simple lightweight interface for the same.

**LEE AND NEE SOFTWARE (EXPORTS) LTD.** - *RPA Development Intern* ( UiPath-VB.NET) **Dec 2019-Jan 2020**

- The bots were deployed internally.
- Worked with **Process Automation Bots, Orchestrators, Webcom and Data Scraping** as well as Citrix Environment and implemented the same on various projects.

## PROJECTS & RESEARCH WORK

Researching about **Automated Rotoscoping using Image Processing** under Prof. Ruhina Karani - [Presentation](#)

- Working on implementing the process of Rotoscoping - the primary step in the process of VFX, through Image processing and Automation

- Aiming to implement a fully functional software which fully automates the process from beginning to the end and giving accurate rotoscopes and reducing or eliminating all the manual work.
- Developing a model to implement dynamic depth detection and interpolation in a video to trace out better rotoscopes.

Implemented a **Salesperson Tracker** under Unicode - [djunicode/salesperson-tracker-web](#)

- A **cross platform digital solution** which helps managers and salespersons keep a track of all the deliverable products and the stock for the same in check in a very efficient way.
- It also enables live **forward Geo-tracking** and on-the-spot customer support.
- Worked on the backend side of the project, building REST APIs for **location tracking and bill management** on the customer end.
- Stack Used: React.js, Django (2.2), Django REST Framework, Android, Java and React Native

Developed **OneStop Fashion** WebApp using Django, TensorFlow- [VirangParekh/Reverse-Image-Detection](#)

- A **Reverse Image detection system** which from the image detects what type of fashion apparel it is.
- It shows the best deals available to buy a similar product on the internet in a given price range.
- Worked on designing the database, **web scraping bots and integrating ML models** with the software.
- Stack Used: HTML, CSS, Bootstrap, Django, UiPath (using .NET), TensorFlow, OpenCV-2

Created **StudVisor** using Django, sci-kit learn- [VirangParekh/vcethack2019](#)

- A **web based recommendation system** which predicts a student's placement opportunity.
- It recommends betterments in performance and skills to **improve the hiring opportunities**.
- Designed the database, built REST APIs and ML models for prediction and recommendation.
- Stack Used: HTML, CSS, Bootstrap and React.js, Django, Django REST Framework

Implemented **Helping Hands** using Django, Mapbox API - [SakshiUppoor/codeshastra-2020](#)

- A **cross platform solution** to help the NGOs and trusts to **get in touch with the needy**.
- The mobile application interface helps the user to make aware the nearest NGOs the location of the needy person he/she has come across, NGOs can get in touch with the needy person and provide help.
- The NGOs can also start fundraisers, organize events and communicate with other NGOs as well.
- Worked on implementing the Geolocation features of the app, designed the database and built API Endpoints for the same.
- Stack Used: Django, Django REST Framework, React.js, React native, Mapbox API

Created **Pitch Desktop App** using Django, Bootstrap and AJAX - [VirangParekh/Pitch-Desktop-App](#)

- Artists would upload albums, singles, or podcasts on the platform and the user had access to listen to them.
- Developed features like adding audio to the current playlist or to the favorites playlist asynchronously with AJAX.
- Designed the database, and made interfaces for all - user, artists and
- Stack Used: Django, AJAX, HTML, CSS, Vanilla JavaScript.

Developed **Inventory Management System** using Django, Bootstrap and AJAX

- Designed a 3 stage Inventory Management System: Raw Material, Production, and Dispatch where different queries were executed according to the different formulas of the product.
- Reduced the time to create the logs by 25% compared to the previous excel sheet approach and secured access of formulas.
- Added a history of all the recent activities to find any error in the logs and revert them.
- Functionality to convert the needed information into excel sheets.
- Stack Used Django, AJAX, Bootstrap and Vanilla Javascript.

Implemented **Shortest Path (Visualization)** using C++ and Djikstra's Algorithm

- Demonstrated visualization of Dijkstra's Algorithm in a (10x10) grid with a start and end point.
  - Here, some cells were generated as blocked cells, the program found the optimum path from start to end without accessing the blocked cells.
  - Stack Used: C++, graphics.h library.
-

## SKILLS

**Languages:** C, C++, Java, Python,

**Misc:** Git, Linux shell, OOP fundamentals, Systems Design, Celery, UiPath (VB.NET), Elementary Docker, Scrapy

**Development:** Javascript, HTML, CSS, Django(Rest Framework and Cookiecutter), Bootstrap, React.js, REST APIs

---

## RESPONSIBILITIES

Working as Student Placement Coordinator for Computer Engineering Department

**2021-Present**

Backend Development mentee at [Unicode](#), a development-driven Student Chapter.

**2019-2020**

Organized talks and events at SMJV, like the Book Lovers' club, improv sessions etc.

**2019-2020**

Editor and Content Director for [SMJV](#)'s annual magazine Vibe.

**2019-Present**

Member of the Rotaract Club of Bombay, Juhu Beach.

**2018-Present**

---

## ACHIEVEMENTS

Volunteered at a blood donation camp under Rotaract club of Bombay, Juhu Beach.

**July 2019**

Received special mentions at [ML Dahanukar College of Commerce](#) for street play.

**August 2019**

Participated in various hackathons throughout Mumbai in the last year itself.

**2019-2020**

Participated and won various Street Play competitions across Mumbai like [Umang](#)

**September 2019**

---