

# Virang Parekh

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## EDUCATION

**University of Mumbai | Mumbai, IN**

Aug. 2018 – May 2022

*Bachelors of Engineering in Computer Engineering*

9.00 CGPA

**Core Courses:** Algorithms, Operating Systems, Cryptography and Image Processing

## EXPERIENCE

**Android Application and R&D Engineer**

June 2022 – Present

*Samsung R&D Institute Noida*

*Noida, IN*

- Working as an R&D Engineer with the Digital Health on the Data Platform Part of Samsung Health.
- Working on Backend Development for Samsung Health App.
- Working on RxJava, Kotlin, MVVM Architecture; Research in the domain of Health and Habit Tracking

**Data Analyst Intern**

June 2021 – November 2021

*Tech Mahindra*

*Remote*

- Worked on a Multi-Modal Transportation based project for a 'Pune' specific use case
- Worked on Data Wrangling, Warehousing, Data Modeling, DAX and Querying
- Built simple, lightweight, interactive and easy-to-understand dashboards for Visualizations.

**Software Development and Data Analytics Intern**

September 2020 – December 2020

*Senquire*

*Pune, IN*

- 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.

## RESEARCH AND PUBLICATIONS

**Performance Analysis of Various Asymmetric Public-key Cryptosystem** | ICPCSN 2022

[Springer Link](#)

**Video-based Micro Expressions Recogn. using Deep and Transfer Learning** | ICDSAI 2022

[Springer Link](#)

## PROJECTS

**Incisive Analysis Of EQ Using AV Data** | *Deep Learning, Transfer Learning and Bi-LSTMs*

Major Project

- Investigated how the MSCEIT and the STAR method work for the measurement of EQ.
- Proposed a succinct approach to automate and digitize the manual process for the same

**OneStop Fashion** | *Django, TensorFlow, OpenCV-2*

[GitHub Link](#)

- A Reverse Image detection system which from the image detects what type of fashion apparel it is.
- Worked on designing the database, web scraping bots and integrating ML models with the software.

**OneStop Fashion** | *Django REST Framework, Sci-kit Learn*

[GitHub Link](#)

- A web based recommendation system which predicts a student's placement opportunity.
- Designed the database, built REST APIs and ML models for prediction and recommendation.

## POSITIONS OF RESPONSIBILITIES

**Placement Coordinator**

August 2021 – April 2022

*Dwarkadas J. Sanghvi College of Engg.*

*Mumbai, IN*

- Managed and helped students of the Comp. Engg. Department with all their job hunt related logistics
- Co-ordinated with both students and recruiters to ensure a smooth interviewing process for the students