

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 – May 2022

Dwarkadas J. Sanghvi College of Engg.

Mumbai, IN

- Assisted Computer Engineering students with job search logistics and support.
- Coordinated between students and recruiters to facilitate a smooth interview process.
- Managed the placement database with student profiles, job stats as well as recruiter feedback.

DJS Aura

September 2018 – December 2020

Dwarkadas J. Sanghvi College of Engg.

Mumbai, IN

- Member of the college's official drama club
- Wrote and performed Street plays around social issues like child abuse and Domestic Violence against women
- Participated and won multiple street play competitions in and around Mumbai.