Virang Parekh

virangparekh73@gmail.com | LinkedIn | GitHub | Google Scholar

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*
- Developing and maintaining service framework modules for the Samsung Health App.
- Contributed to the development of E2EE for the Samsung Galaxy S24.
- Developed support for E2EE in devices targeting Android 13 and lower.
- Worked with AbstractThreadedSyncAdapter, WorkManager, Cloud Messaging and Coroutines
- Integrated SDKs from stakeholders, including SCloud, Knox Matrix and Samsung Account Client

Data Analyst Intern   June 2021 – November 2021
Tech Mahindra   *Remote*
- Worked on a Multi-Modal Transportation based 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*
- Created a machine vision system for real-time machinery part condition monitoring.
- Implemented multiprocessing, data preprocessing, queuing, and designed a lightweight interface.

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.

StudVisor | *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 collge'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.