

[Software Developer]**Education Qualification:**

BE Petrochemical	2019	MIT, Pune	8.83 CGPA
Class XII ISC	2015	Singhania School , Thane	94.4%
Class X ICSE	2013	Singhania School , Thane	88%

Technical Skills & Tools:

Java, Dart, Flutter, Android with NDK, Kotlin, React Native, Git, Socket.io, Mediapipe, OpenGL 2.0, LibGDX, MLKit

Portfolio: [Link](#)

Professional Experience**Software Engineer, Nurture.Farm**

JUNE, 2021 – PRESENT

- Initially worked on creating new features for existing Android projects with a daily active user-base of around **2k**.
- Due to business requirements, quickly learnt **Flutter** and **Dart** and started work for the new project to migrate existing features. Helped deliver the project from scratch to production to a daily active user count of **over 1.2k**. Delivered the same from code to [PlayStore \(Android\)](#) and [AppStore \(iOS\)](#).
- Learnt **Jenkins** to help create tags and releases in an automated fashion for later releases.
- Briefly worked on creating **GRPC** contracts between backend and frontend, which I later helped consume on frontend. Later, deployed the same on **Kubernetes** pods in production environment.

Senior Software Engineer, Fynd

JANUARY, 2020 – JUNE, 2021

- Joined the company initiative initially as an Android Developer (**Java**) in the **Applied Machine Learning** team to work on [GlamAR](#), which is a virtual based try-on app. I helped build the SDK, as well as, the playstore showcase app from scratch.
- Explored various frameworks to get the result of **12+ FPS on low end devices**, such as **Mediapipe**, **MLKit** and **OpenCV** for the **Machine Learning** part, and **OpenGL** and **LibGDX** for the rendering part.
- Worked extensively in **Android NDK**, for making network calls using **CURL**, and performing the rendering operations.
- Deployed the SDK on **JCenter** as an artifactory for public consumption, and built the documentation for the same.

Software Developer, Moodcafe

JUNE, 2019 – DECEMBER, 2019

- Joined the IIT-R and IIM-A initiative initially as an Android Developer (**Java**) and led a team of interns to refactor the whole code base into a new version of the app , which was optimized , in terms of performance (by multi-threading) , had better UI , reduced size and achieved a frame rate of 60 fps with minimum frame drops within 2 months.
- Later on, learnt core **Javascript** and developed a hybrid app, which was used by a user base of 20,000+ with a daily user count of 450+, from scratch within a time constraint.
- Co-ordinated and helped develop business logic on backend, integrated payment gateways - **PayTm** and **Razorpay's** API within a week, created python scripts for database migration and data analytics scripts(for data which was logged in app using **Socket.io**) and developed notification architecture for increasing user retention.

Projects:**[Frisbee](#)**

(Android Application + Backend)

- Built a fitness pose tracking Android application from scratch, with the help of ML based solutions like **Mediapipe** and **MLKit**. The application supported over ten exercises, could count the number of repetitions performed by the user, create workout routines and notify the user for workout sessions.
- Collected and trained a **KNN model** to classify different fitness poses to count exercise repetition.
- Built a custom notification engine which notifies the users on the basis of his frequency of workouts.
- Completely modularized the code-based and heavily optimized the size to reach a final size of **9 MB**
- Leveraged Android's Text-To-Speech synthesizer to keep track of the number of exercise repetitions.
- Built a lightweight **Express backend**, which serves the trained csv on runtime to the app, only after successful authentication of the user and client. Deployed the backend on **AWS** and later on **Heroku**

Extra-Curricular Activities & Achievements:

- Scored **96.61** percentile (previously achieved 90.1) in Common Admission Test (**CAT**). Received calls from a few IIMs.
- Scored **322** in **GRE** (Verbal Reasoning – 158, Quantitative Reasoning – 164, Analytical Writing – 4.5)
- Qualified Graduate Aptitude Test in Engineering (**GATE**) in Chemical Engineering and **ranked 1602**.
- B.E final year project, which was a team of 3, was nominated as one of the best projects for the year.
- Elected as one of AIChE's Executive Student Committee Member.
- Playing guitar and composing music (approaching record labels to release a song professionally)