



Domain : Voice and Image Processing

TEAM WinnovaTR PRESENTS....

gym bud

BE YOUR OWN TRAINER

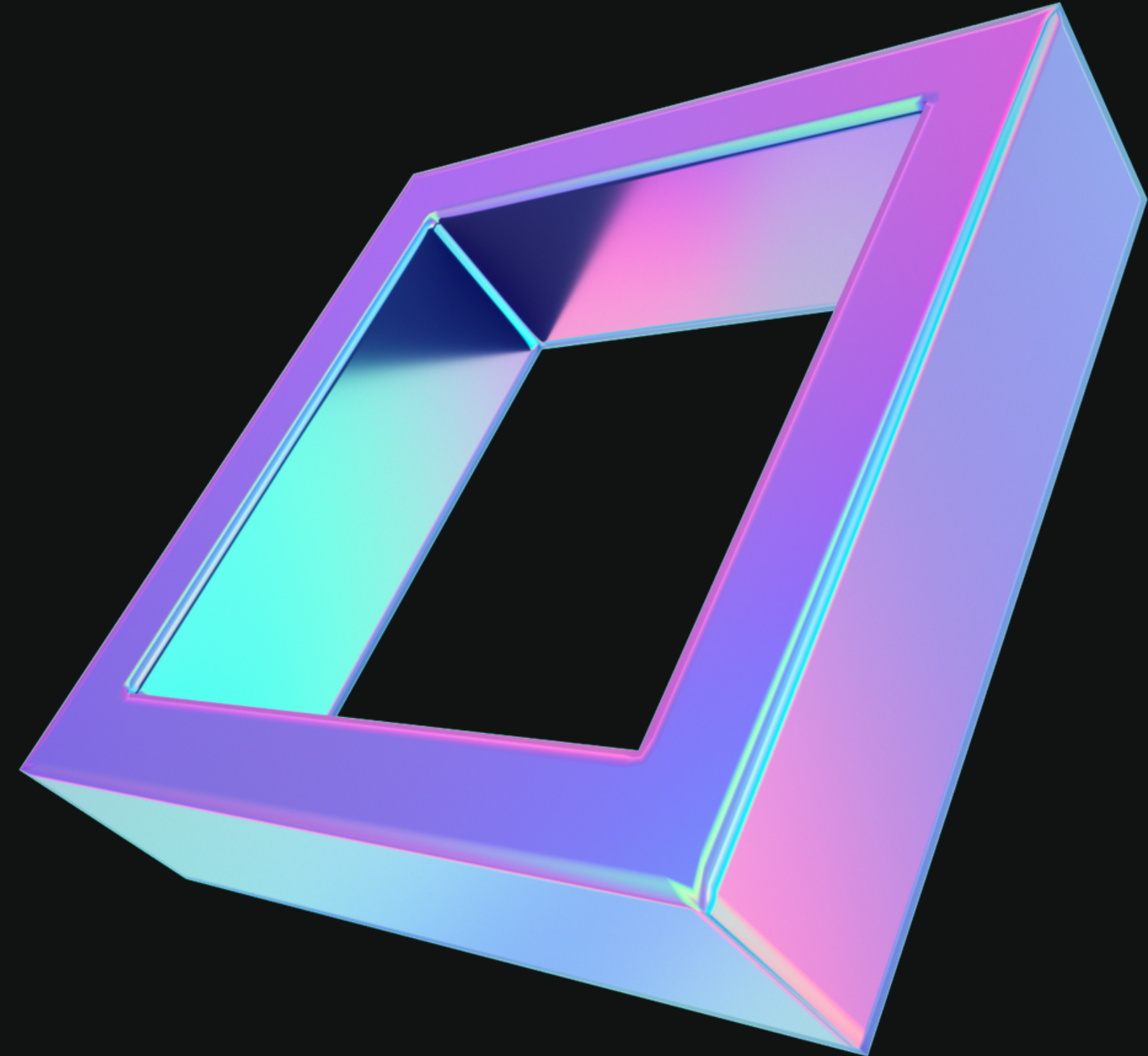
**TANISHQ
TYAGI**
1ST YEAR

**PRIYANKA
CHOWDHURY**
1ST YEAR

**ARHIT BOSE
TAGORE**
1ST YEAR

**PARSHVA
JAIN**
1ST YEAR

**NAMAN JOE
NAVEEN**
1ST YEAR



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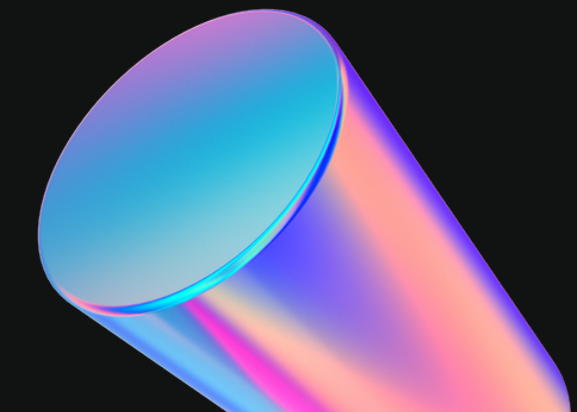
PROBLEM STATEMENT

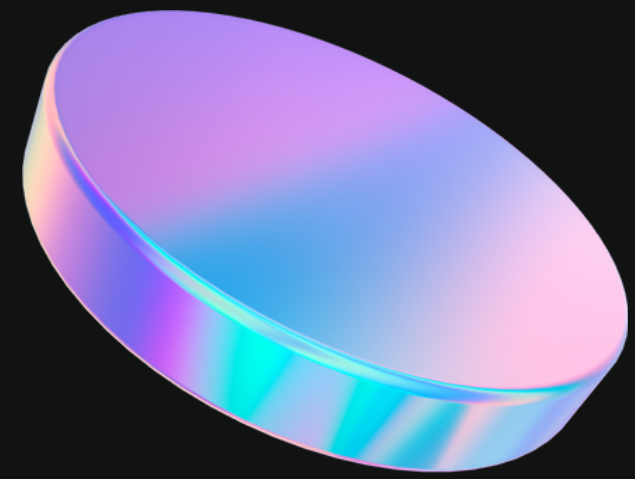


- Lockdown has forced people to stay at home and access to Gym Trainer is nearly impossible.
- Gym injuries are something which is extremely fatal and every person tries to avoid.
- The reason behind in most cases is because of incorrect posture while doing an exercise.
- We aim to solve this problem (incorrect posture) with the help of our app.

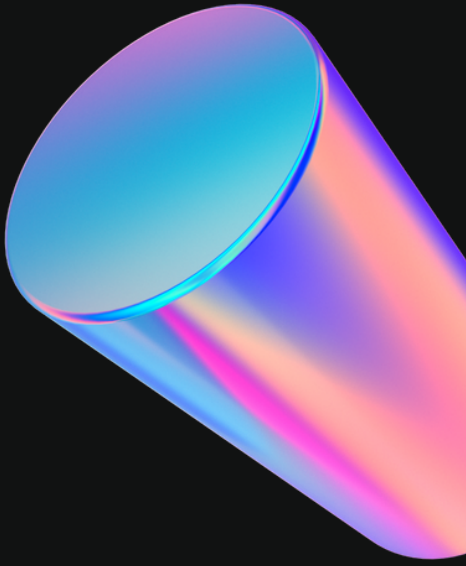


NOVELTY

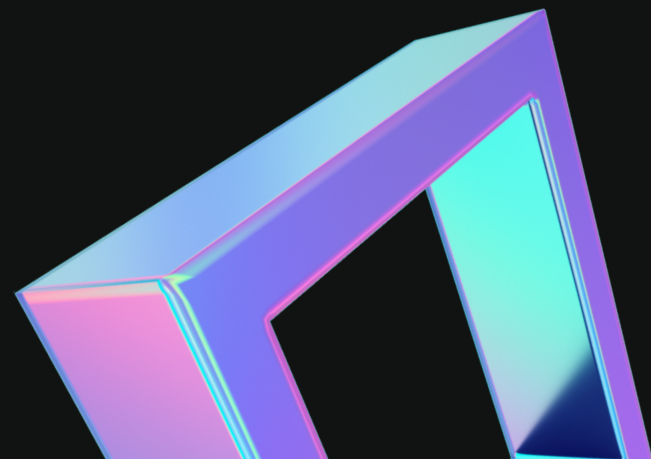
- There are hundreds of apps on Google Play Store which will show you the correct way to do an exercise.
 - But there is not a single app which makes sure that you are doing it correctly.
 - We believe that our idea and app is original and unique.
 - Gym Bud is one of a kind.
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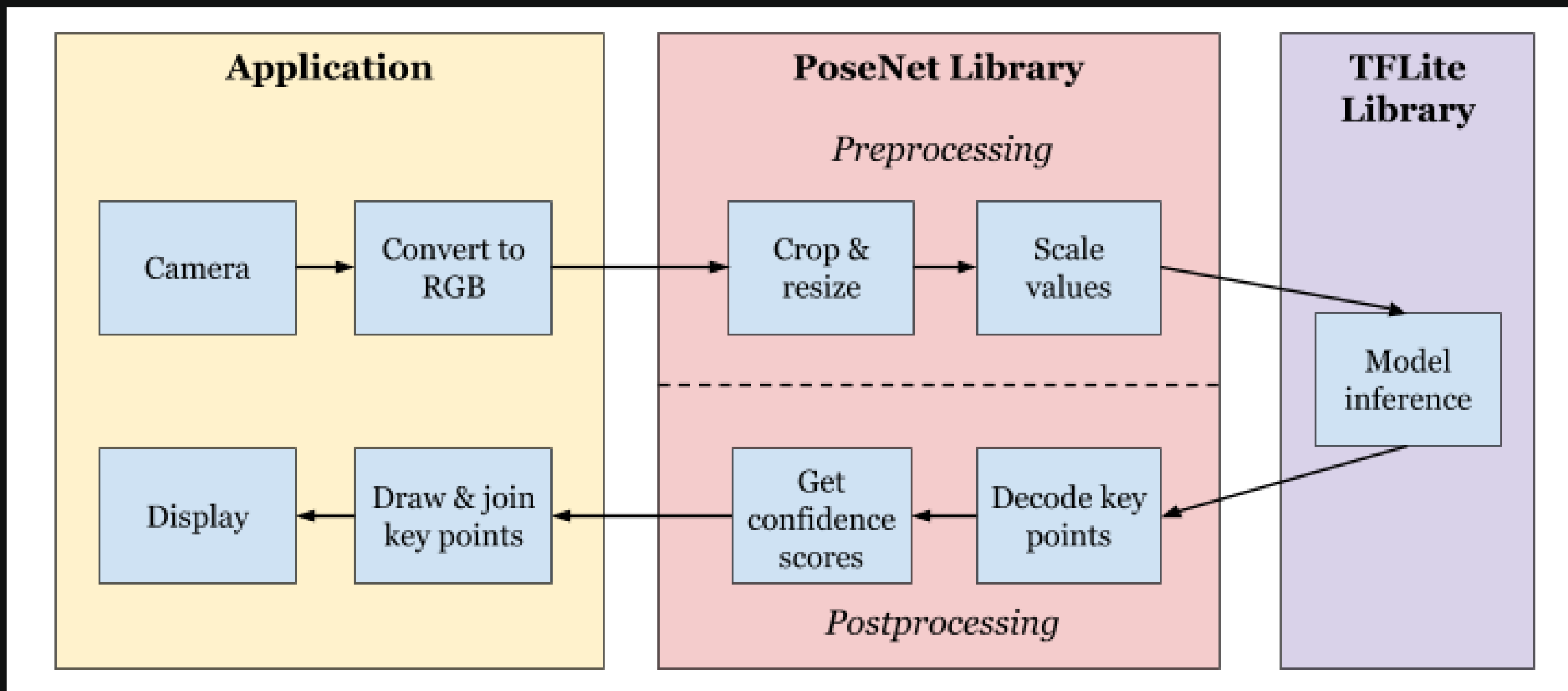
TECHNOLOGY STACK



- Kotlin
- Firebase
- Android Developer Tools
- Python
- TensorFlow
- MediaPipe
- Figma




Methodology and Algorithms

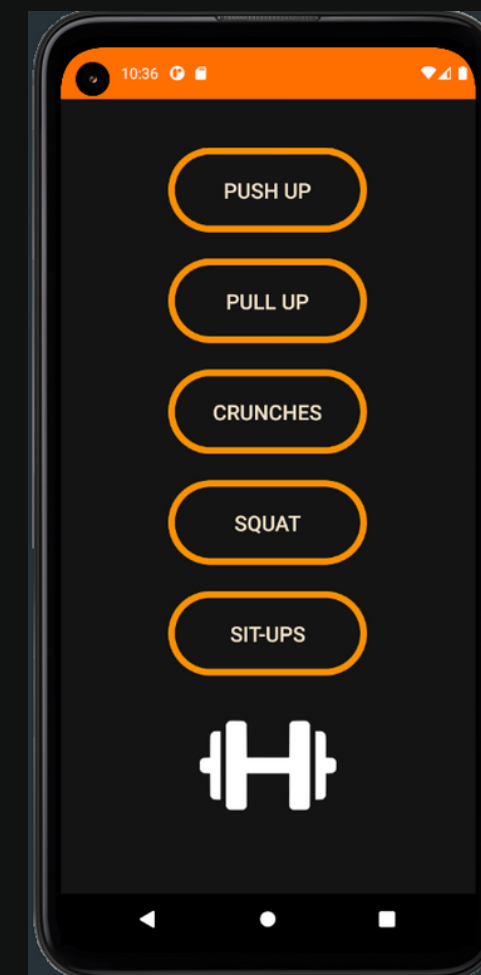
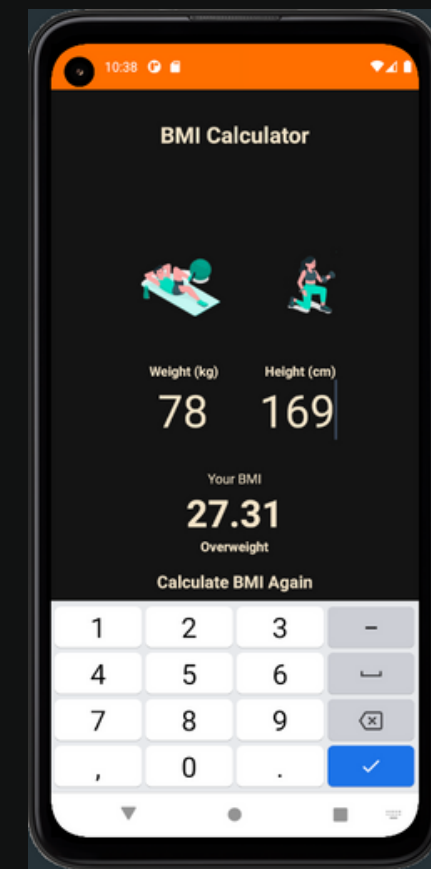
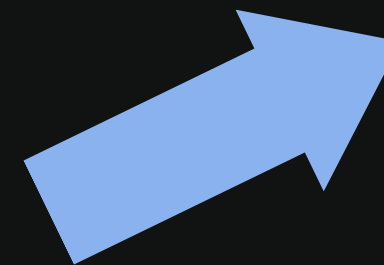
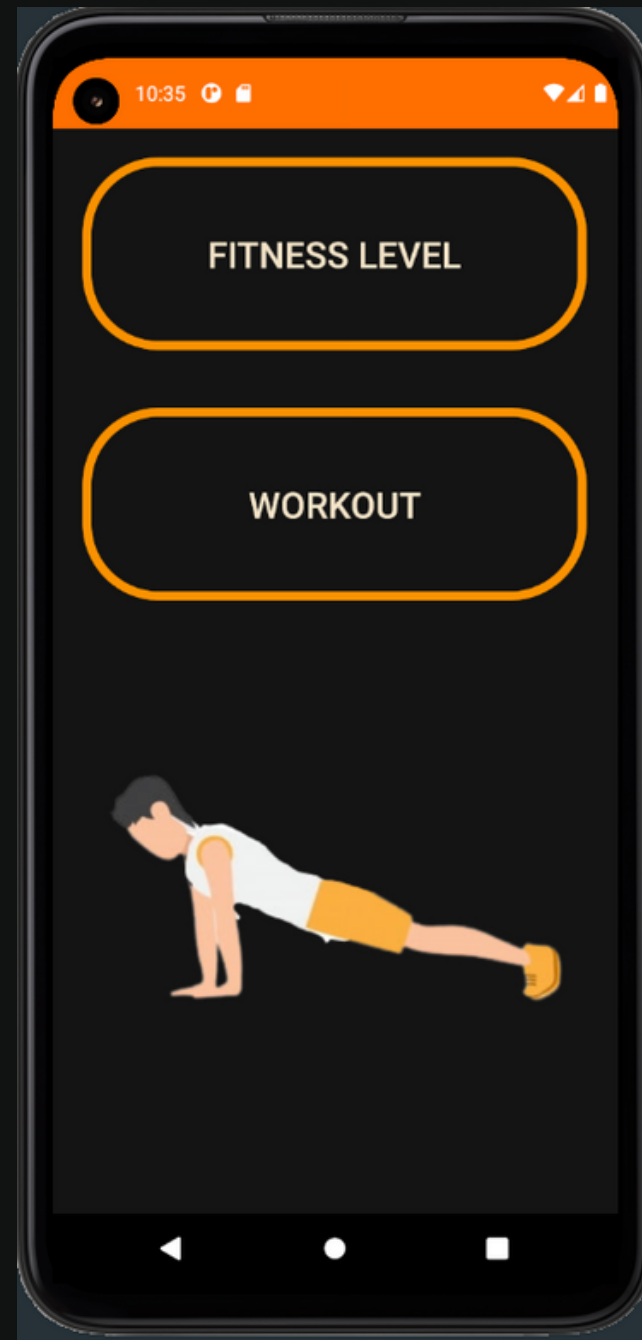
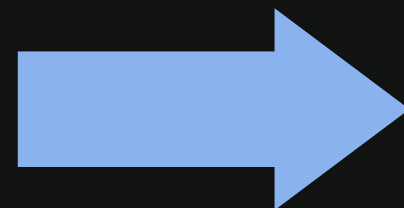


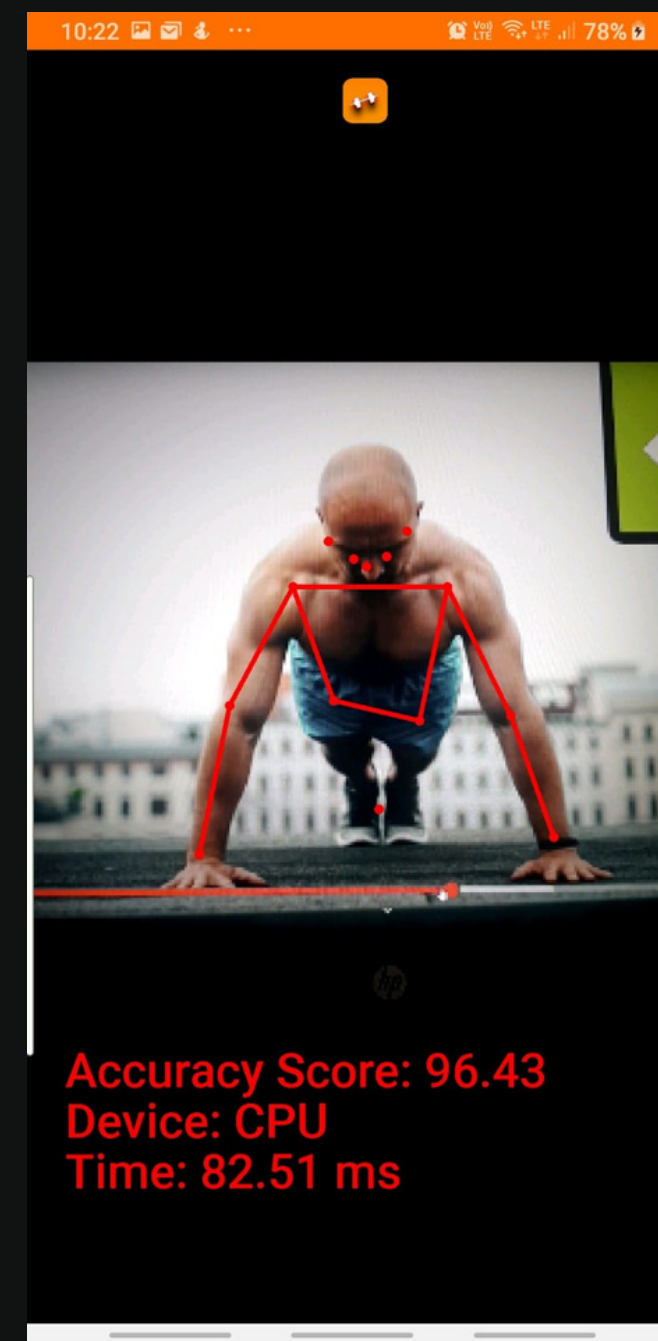
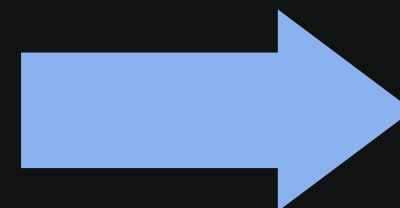
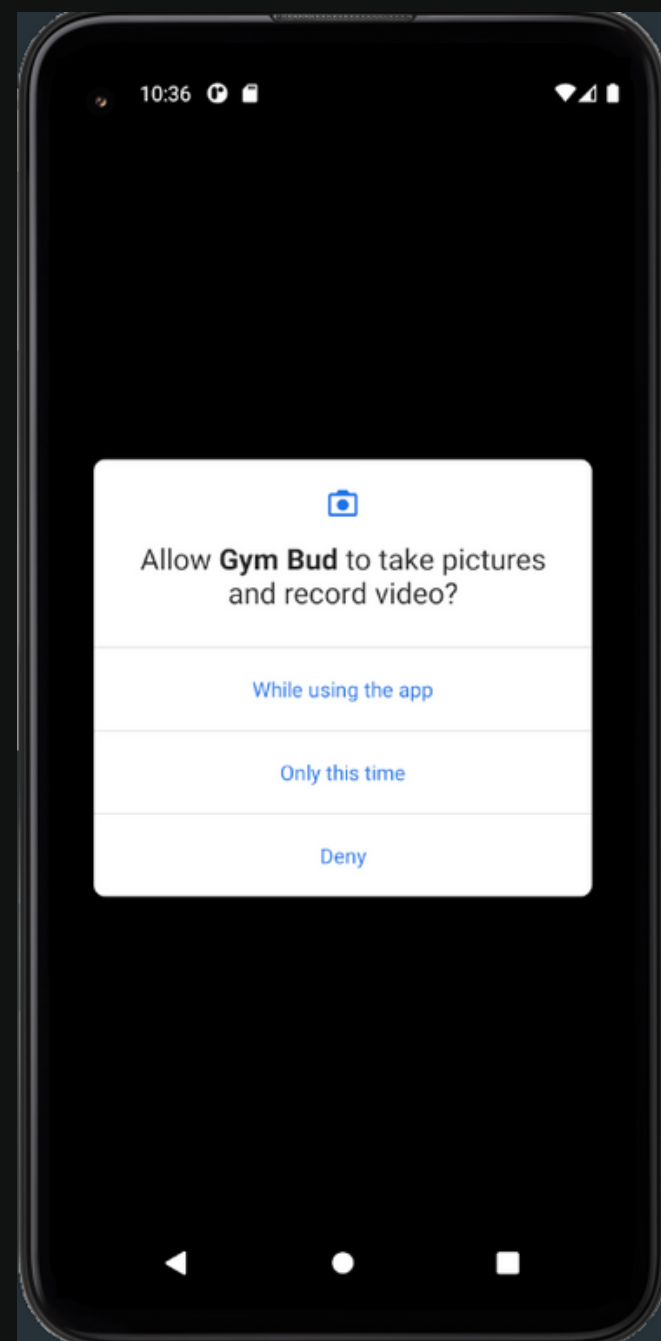
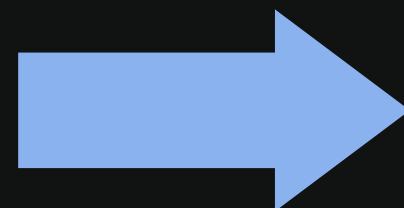
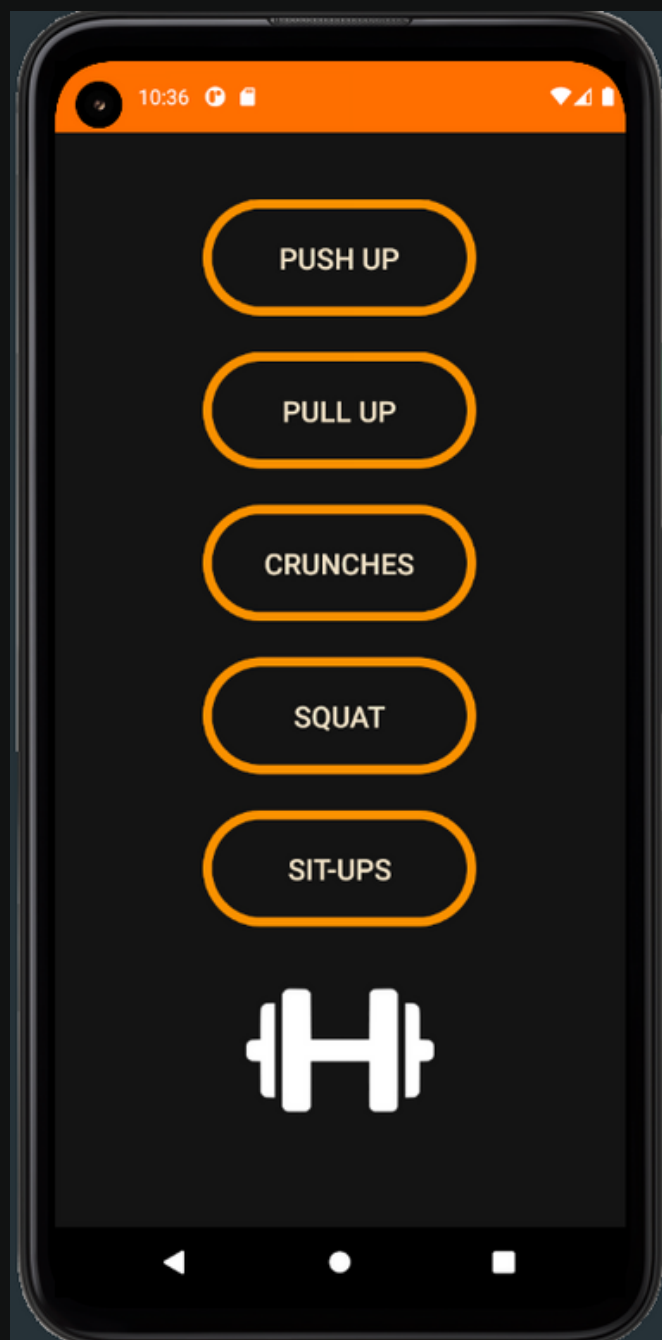


IMPLEMENTATION

- We have implemented our idea using App(Android studio)
 - We have used TensorFlow & MediaPipe to train the ML model
 - We have used 3rd party API and stored it in firebase
 - Future feature implementation includes using the sensor of smart watches to collect data such as heart rate, step count, O2 level, etc
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Results





BUSINESS SCOPE



Google Fit – 50M+ downloads

Nike Training Club – 10M+ downloads

Home Workout – 100M+ downloads

Six Pack in 30 Days – 100M+ downloads

The number of downloads shows that we have a large audience to cater to.

Future plan for Gym Bud: Posture tracking, stat tracking, device linking, workout demo, personal feedback from the trainer, recommends workouts, live workouts.

We aim to make Gym Bud an one stop destination for all your fitness needs.



Thank You

- Team WinnovaTR

