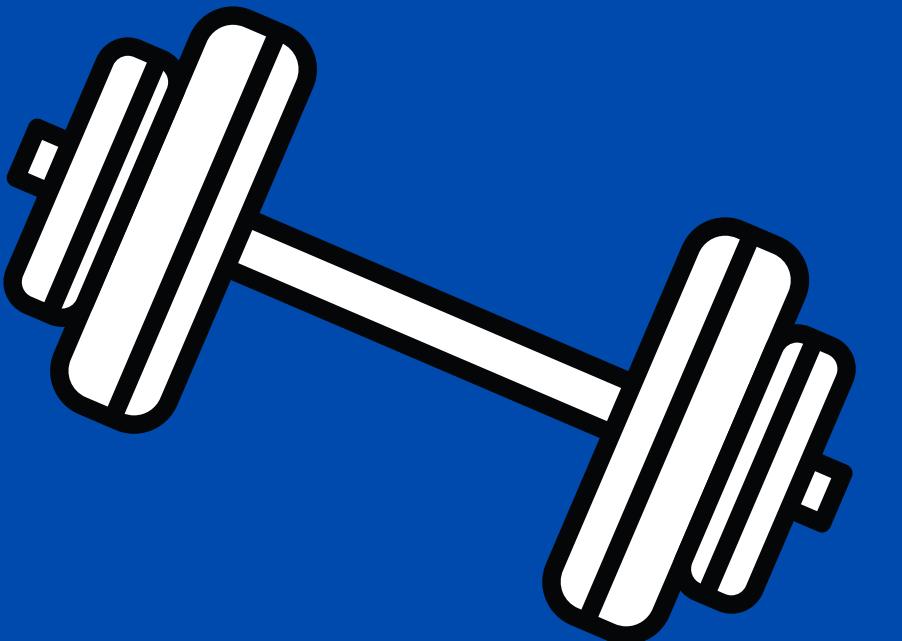


Mirror ball

KIM JAVA UN

- *Shorya Kumar*
- *Tashvik Dhamija*
- *Sanidhya Kumar*
- *Shreyas Jain*
- *Sahil Adhikari*



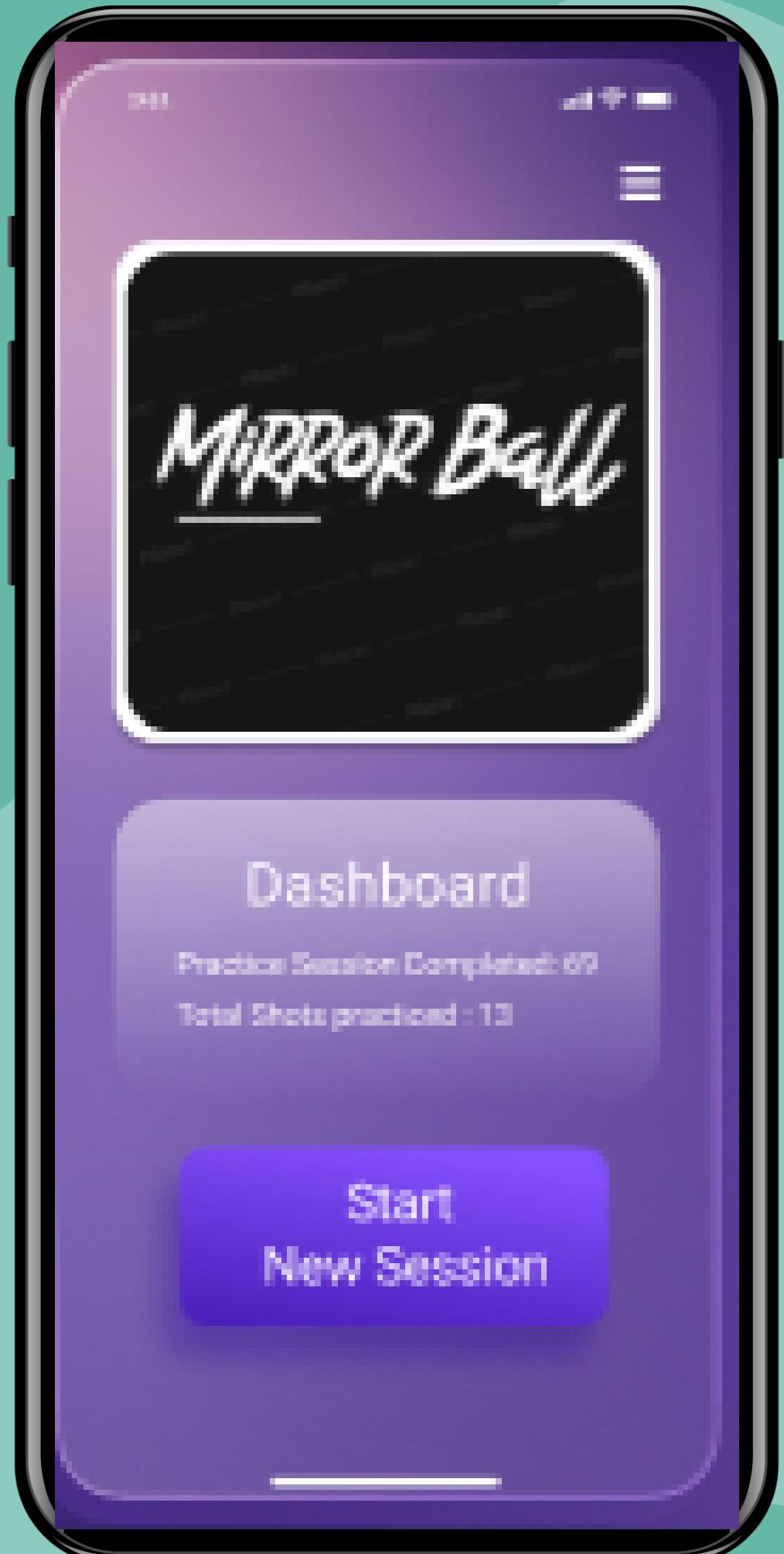
Problem

Lack of resources like infrastructure and coaching in Sports Industry.

Industry is not welcoming to the newcomers except prodigies! So how can you succeed at improving your stance or hit the perfect cover drive like Virat Kohli and upskill yourself to show that you can be the best.

We have the solution.





Prototype Of Our Application

This is how we have planned it to look after completion of the app dev part.

Link for the prototypes

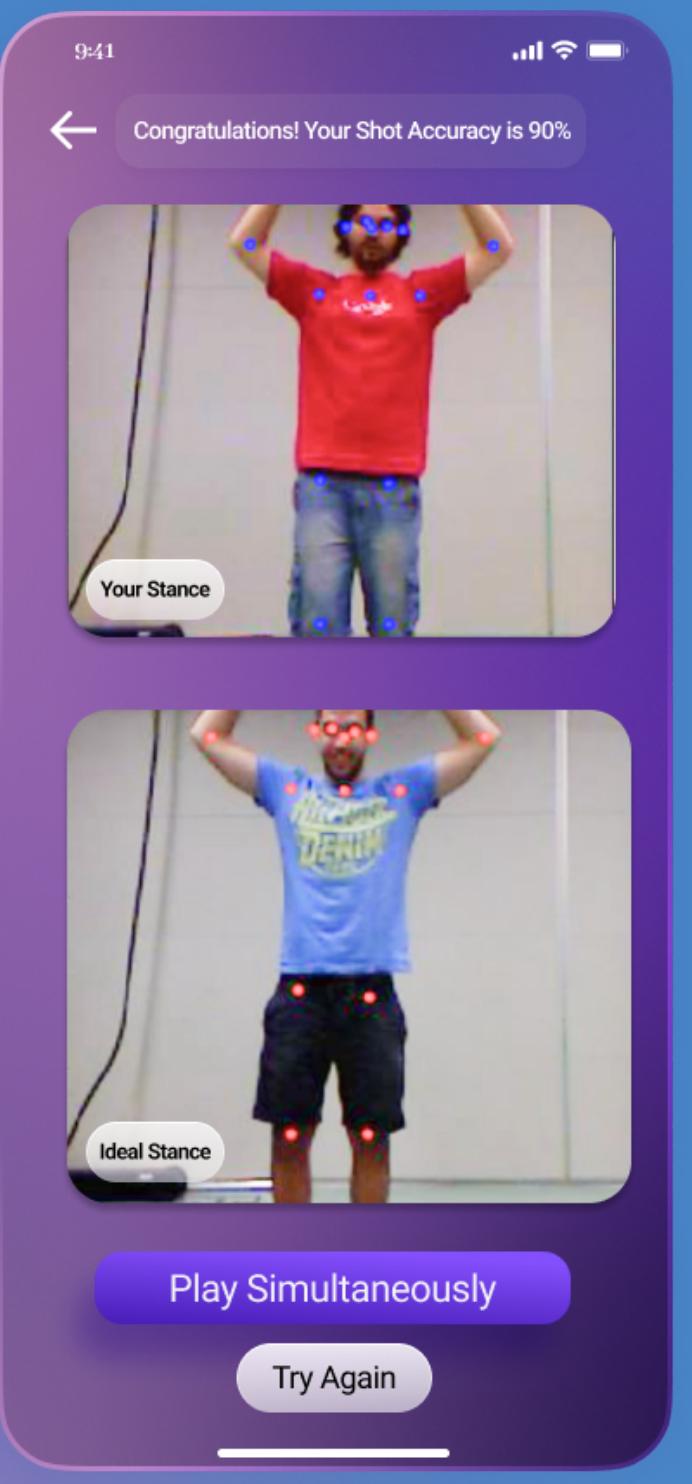
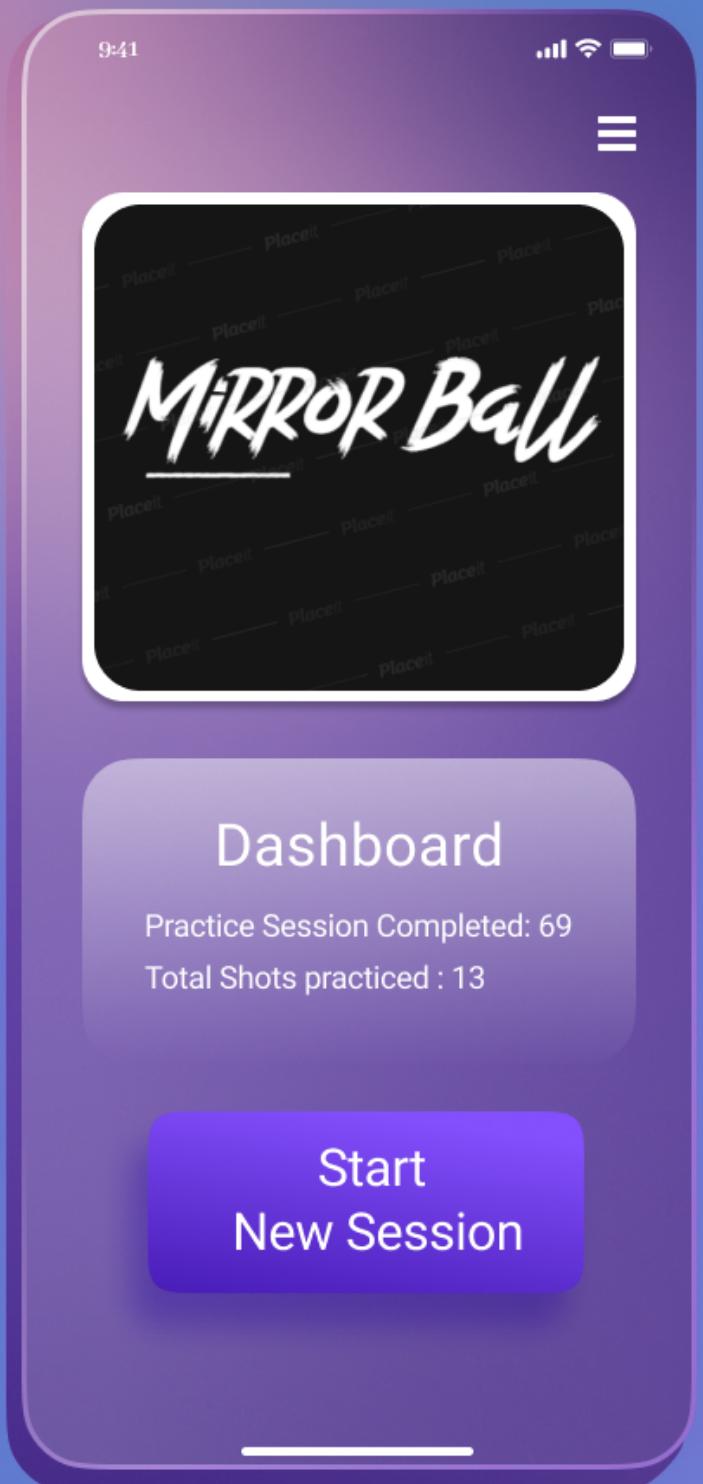
<https://www.figma.com/file/7gfv4OirA6hrfBHpU7Riy/PotentialHack?node-id=0%3A1>

Select
your sport

Select the shot
to practice

Compare with
the ideal way

Polish your
fundamentals



Working Of the Model

OpenCV (Deep Learning Model)

Using OpenCV, TensorFlow ,OpenPose and Mediapipe, we have documented the points of a person who is performing a certain activity as our model in a pickle file. Using the points we can check how similar a test video is to that particular activity .e.g (How close are you to performing Kohli's cover drive to perfection)

Android Application

We implemented the above idea in an android app. The user can use the mobile camera to get a live performance rating of the desired move that he/she wants practice. We used Google MLKit for pose detection with the help of which live performance comparison and rating is possible.



Advantage 1

Will us about the accuracy of the stroke performed by the user



Advantage 2

A preview for the ideal stroke will be provided to make it more clearer

Advantage 3

What better than playing and showing off your skills and your performance to your? Yes we can play it with our friends.

Advantage 4

Yet,
It is not just limited to sports!!!



Yoga



Ever wondered why the dreaded Taraksvasana is so hard to master, you can analyze where you went wrong. Are you doing the asana properly or not . We have the answer.



Exercises

Can't get your pushup stance right , No worries analyse where you go wrong with Mirrorball.

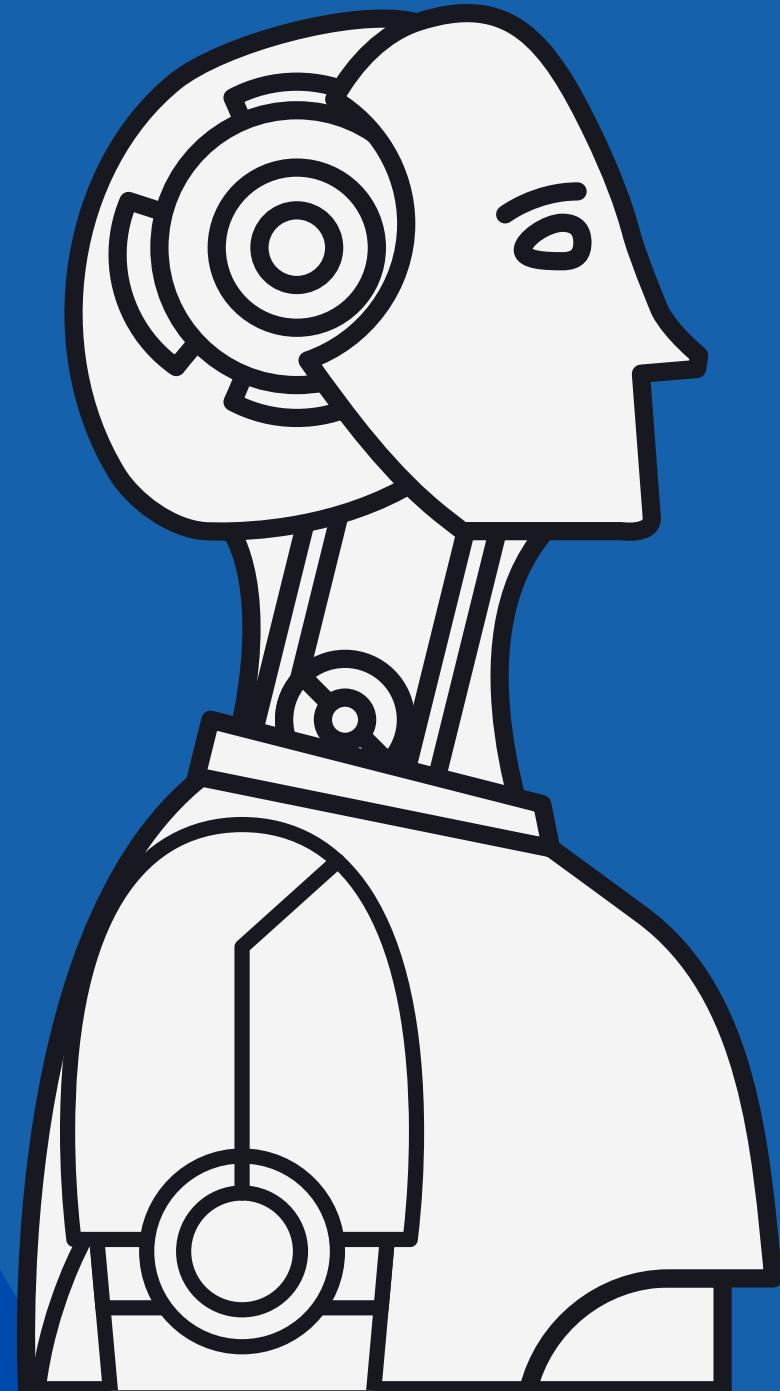


Dance

Can't copy Michael Jackson's moon walk? Well it just got easier(Not as easy unfortunately).The app can easily analyse where you go wrong.



Future Plans



AR - WE ARE?

Taking one step ahead by using Augmented Reality to make it more engaging and realistic

META WHAT?

With Metaverse being the future, we can easily replicate this model to the virtual world or THE MetaVerse!

Connect!

Before involving advanced technologies, our primary aim would be to involve people from everywhere and every skill background

SPORTIGO

Make sports more analytical and advanced with the help of big sporting organisations like FIFA, NBA etc and elite European clubs

The Team



Shorya



Sahil



Tashvik



Sanidhya



Shreyas

THANKYOU