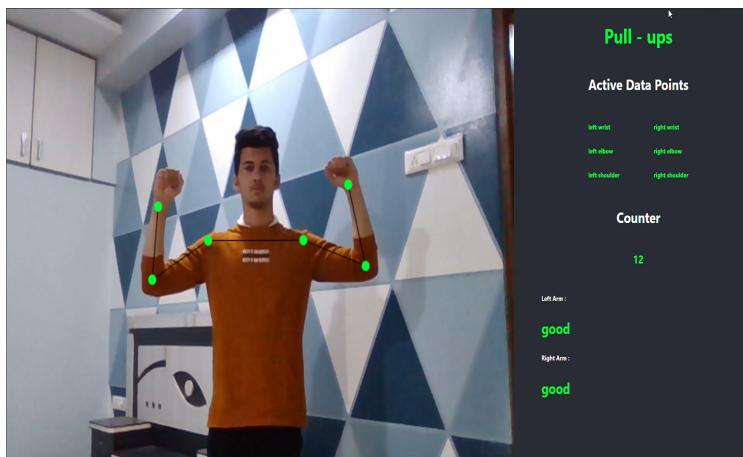


5.0 RESULTS

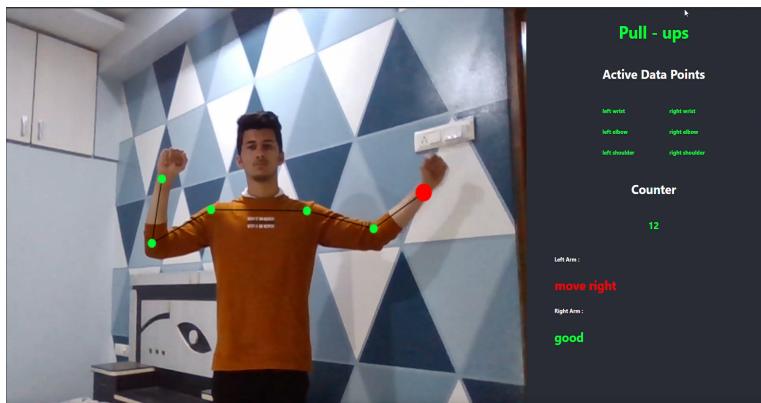
Introduction

Our Machine Learning and Deep learning models predict output based on position input from our body. Then it compares the output/position of the body with the position predicted models. Based on the comparison the results are displayed.

If our body position matches with the position predicted by ML/DL models, then it will display 'good' e.g. if both of our arms are in a perfect position or their coordinates match with the coordinates predicted by the model, both left and right arms on the screen will display 'good' in green colour indicating that our arms in perfect position. Also, all the virtual points displayed on our body on the screen will be in green colour indicating that position is perfect. Thus, our body movements are perfect.



If our body position does not match with the position predicted by ML/DL models, then it will display ‘move right’ or ‘move left’ based on the position predicted by the model e.g. if any of our arms are not in a perfect position or their coordinates do not match with the coordinates predicted by the model, then the arm with the wrong position will display where to move our arm. If it is needed to be moved right then it will display ‘move right’. Also, the virtual point of the arm which is in the wrong position will be displayed in red colour. Thus, our body movements are not perfect.



Also if the position of our elbow is not perfect then the algorithm will display ‘elbow error’ for the elbow in the wrong position for indicating that elbow movement is not perfect and it needs to be correct. The respective coordinates for the elbow will also be displayed in red.

