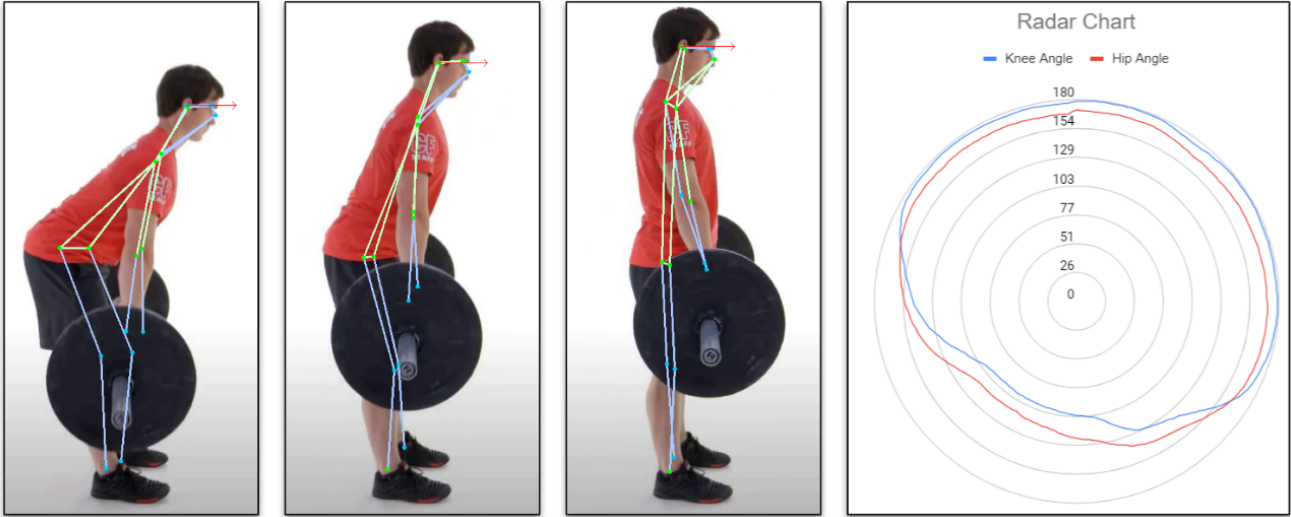


Pose Estimation

Case Study: Dikoko Technologies



FIRSTSTEP.AI APPLICATIONS

- FirstStep.ai Designer
- Object Detection
- Pose Estimation
- Pose Behavior Analysis
- Cloud Server

“

We love the user-friendly solutions FirstStep provides.

Our team is now equipped with the necessary tools to rapidly prototype and test new solutions.

”

Boitumelo Dikoko (Director)



Athlete's Posture Analysis

Problem Statement:

Dikoko Technologies provides clients like Chelsea Football Club with player analytics to help them make data-driven decisions. However they were looking to develop an application to analyze the performance of posture and body movement of their athletes during training.

Pain Points:

Dikoko Technologies could record videos of player movements, but this required manual frame-by-frame analysis which was time consuming.

They needed a reliable, automated way to extract pose information from videos to track how athlete's perform exercises, and to provide tailored instructions to correct body positions during training.

FirstStep.ai Solution:

The FirstStep.ai Pose Estimation application delivered:

- An automated way to extract pose information from videos using AI.
- Fast, accurate and reliable performance.
- Clean integration into their existing code base.
- A lightweight solution for a cloud server.