**Simulation of the Squat Counter:**

A graph of squats

AI-generated content may be incorrect.

Detected Squats: 9944

Undetected Squats: 5056

Rate of Correctly Detected Squats (given 150 degrees benchmark is correct): 100%

A graph showing squats and squats

AI-generated content may be incorrect.

Detected Squats: 10,340

Undetected Squats: 4660

Possible error:

Mediapipe model might not correctly detect body landmarks in extreme squat positions. If the hip, knee, or ankle positions are misestimated, the calculated knee angle could be incorrect.