

# Exercise Form Analysis Report

## USER PROFILE

**Name:**

**Age:** 19 years

**Height:** 178 cm

**Weight:** 70 kg

**BMI:** 22.1 (Normal weight)

## EXERCISE ANALYSIS

**Exercise:** Squats

**Date:** 2025-09-21 17:31:16

**Duration:** 93.44 seconds

**Reps Completed:** 10

## PERFORMANCE SCORE

**Overall Score:** 91.0/100

**Grade:** A

**Form Accuracy:** 59.7%

**Total Frames Analyzed:** 1050

**Correct Form Frames:** 627

## RULE-BASED ANALYSIS

### **Summary:**

The user demonstrates exceptional form and technique with minimal corrections needed during the Squats exercise session. Performance assessment: Outstanding (91.0/100 points). Form accuracy of 59.7% was maintained across 1050 analyzed frames over 93.4 seconds. Analysis reveals Frequent knee valgus (inward collapse) during descent.. Technical proficiency shows strong potential with targeted improvement focusing on Frequent.

### **Key Findings:**

- Frequent knee valgus (inward collapse) during descent.

### **Recommendations:**

- Focus on pushing knees outward, aligned with toes.
- Consider progressive overload increases.
- Maintain current excellent form standards.
- Build foundation with perfect form before adding intensity.

## AI-POWERED ANALYSIS

### ***AI Summary:***

The user demonstrates exceptional form and technique with minimal corrections needed during the Squats exercise session. Performance assessment: Outstanding (91.0/100 points). Form accuracy of 59.7% was maintained across 1050 analyzed frames over 93.4 seconds. Analysis reveals Frequent knee valgus (inward collapse) during descent.. Technical proficiency shows strong potential with targeted improvement focusing on Frequent.

### ***AI Key Findings:***

- Frequent knee valgus (inward collapse) during descent.

### ***AI Recommendations:***

- Focus on pushing knees outward, aligned with toes.
- Consider progressive overload increases.
- Maintain current excellent form standards.
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## **AVERAGE METRICS**

**Knee Angle:** 141.13

**Torso Angle:** 133.65

**Alignment Score:** 0.81

## **FORM ERRORS BREAKDOWN**

**Knee Alignment:** 281 occurrences

**Depth Issues:** 146 occurrences

**Torso Lean:** 135 occurrences

**Elbow Position:** 0 occurrences

**Body Alignment:** 0 occurrences