

A real-time solution that leverages computer vision to track the tennis ball, court, and player movements.

—bringing pro-level tennis insights to any court, instantly



To enhance tennis performance with smart vision.

We aim to provide detailed, data-driven insights to revolutionize tennis training, helping users optimize their mechanics and elevate performance.



Available on Android app

Real-time Feedback

Data-Driven Training

Stakeholders

Android phone user:
Enjoy smooth access on
Android with an
intuitive interface
designed for everyday,
non-tech users.

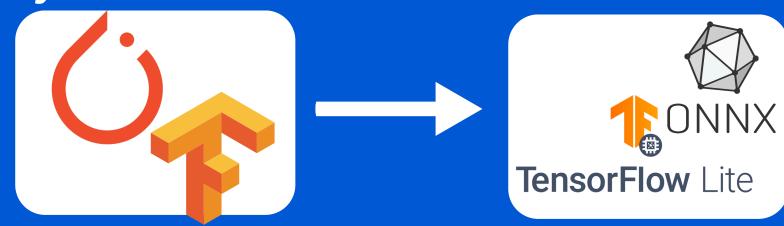
Advanced tennis player:
Track ball speed and key
stats in real time to
challenge yourself and
crush personal bests.

Tennis beginner:
Improve faster with smart visual feedback and instant setup—no hassle, just play.

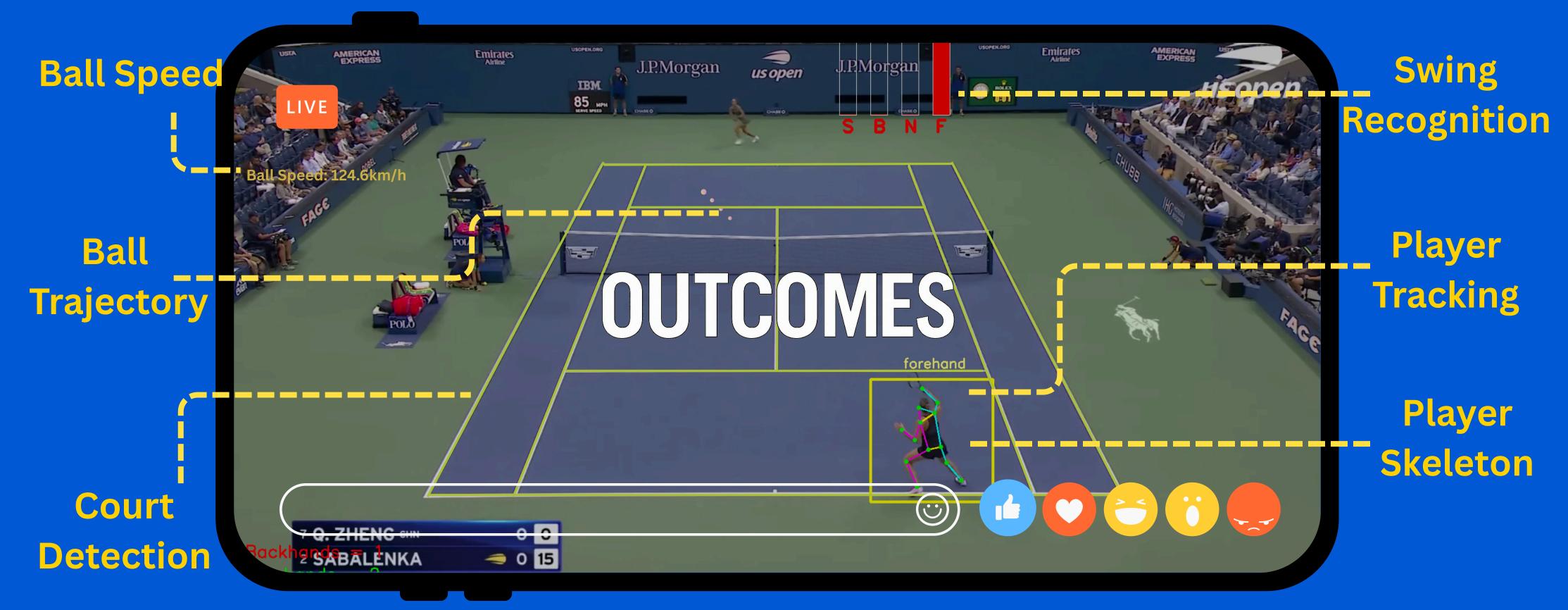
Tennis coach: View live ball landing zones and player data to streamline training and analyze matches efficiently.

Implementation summary

- 1. Integrated ball tracking, player detection, pose estimation, and court detection models
- 2. Converted and optimized models for Android deployment



- 3.Enable real-time performance on mobile
- 4. Implemented ball speed calculation
- 5. Designed a clean, user-friendly interface for seamless interaction



Impact

Accessible Tech: Easy access from any Android devices, no extra costly gear.

Smarter Training: Real-time tracking for players, swings, and courts for data-driven practice.

Better Coaching: Gives coaches instant insights to refine techniques and training plan.

Scan here to watch video!



