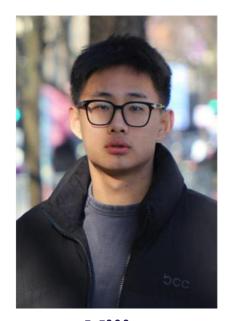


### Obsidian Performance Gear | Our Team



Bikram

Master of Engineering
Industrial Operations
Ex- Paymentos



Yijin

Master of Science
Civil Engineering
Ex- Siemens



Master of Engineering Industrial Operations Ex- Samsung R&D



**Erfan**Master of Engineering
with Robotics
Ex- SpaceX, Tesla



Kieran

Master of Engineering
with Robotics
Ex- LockheedMartin

## Obsidian Performance Gear | The Problem

# Gyms can be scary...

50% of Americans feel too intimidated to develop a workout routine in front of other people

Fear of judgement prevents people from exercising correctly- leading to frustration and dropout

Lack of guidance leads to frustration and dropout.

There is a need for a product that helps new gymgoers build confidence and self-reliance.





## Obsidian Performance Gear | The Opportunity



The global fitness market has over **184 million gym members**, millions of sports players, and a booming **\$186 billion** wearable tech market by 2030.

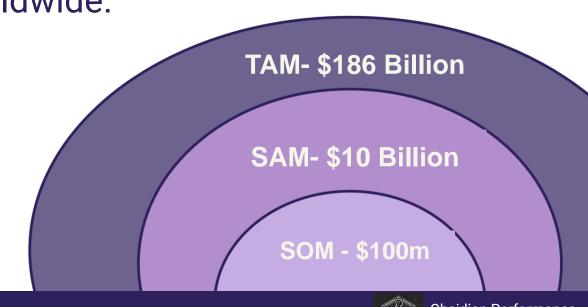


Obsidian Performance Gear targets these users with a unique, datadriven tool to enhance performance, prevent injuries, and empower confident, independent training worldwide.



Our solution serves a **diverse** market including:

- 1. Posture Correction
- 2. Physical Therapy
- 3. Sports Training
- 4. Elderly Mobility







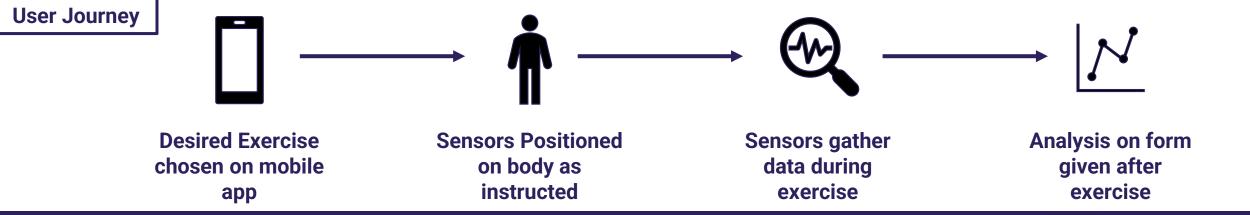
### Obsidian Performance Gear | Our Idea

## How do we solve this?

Sensors placed <u>anywhere</u> on the body to gather data and optimize technique for <u>any</u> gym exercise or sport

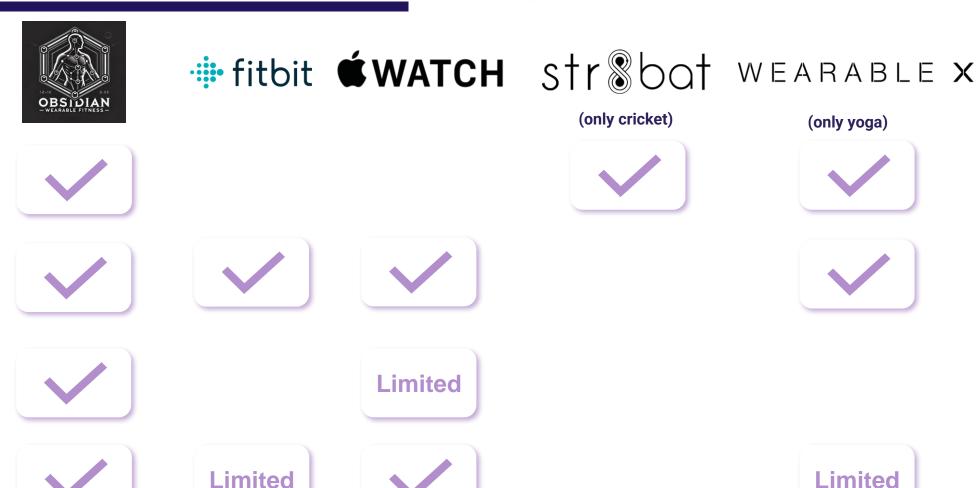


Post Workout Analysis helps refine technique through personalized recommendations, building confidence, improving performance and reducing the risk of injury





# Obsidian Performance Gear | Competitive Landscape



Our product has a unique offering of complete 3D motion tracking, tailored recommendations and Injury Prevention



**Motion** 

**Tracking** 

**Real-Time** 

**Feedback** 

**Prevention** 

Customization

**Injury** 

## Obsidian Performance Gear | What We Found

#### **Key Interview Insights**

After customer discovery with over **50** individuals through the NSF I-Corps program



"Motivation is maintained by personalizing workouts and providing tailored feedback during 1:1 sessions, ensuring players feel cared for.

Jack Shaughnessy
Founder/Coach
OTP Basketball

Pratyanshu Tomar Indian National Basketball Player



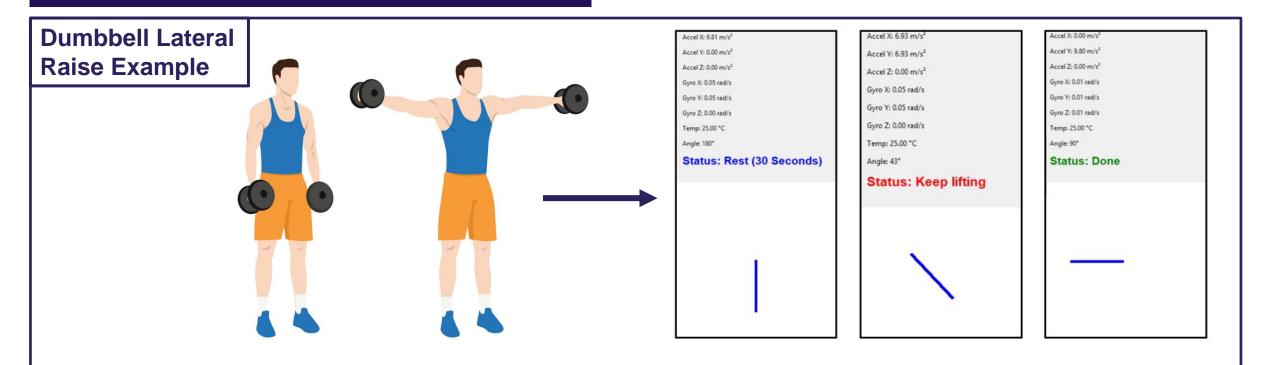
"If I had a device that could help me master the fundamentals and elevate my performance while training alone, it would make all the difference when I step onto the big stage."



Our customer discovery confirmed strong interest and demand for our product. Amateurs saw it as a way to overcome gym intimidation, coaches recognized its potential to enhance player performance, and many were willing to pay \$200+ for it.



#### Obsidian Performance Gear | Current Tech Demo



Current State: We track user angles, lifting posture, and notify if movements need correction

Additional Current Cabability: Limited 3D motion tracking, user appintegration



#### **Obsidian Performance Gear** | Next Steps

#### **TECHNOLOGY**

- 1. Finalize hardware design
- 2. Collaborate with personal trainers to improve training data
- 3. Create AI model for enhancing personalized recommendations

#### **BUSINESS**

- 1. Explore provisional patents for technology and algorithms
- 2. Begin pilot program in fitness centers and sports academies
- 3. Collaborate with experienced manufacturing partners to understand cost

