# TherapEase

Syncing Patient Movement with Care

**At-Home Physiotherapy Monitoring App**

# MEET THE DEVELOPERS

## SOMAY SINGH

### Backend And Machine Learning Engineer

BSc (Hons.) Computer Science 3rd year
Applied AI Engineer focusing on, real world applications

## KESHAV PAL

### Frontend Dev And Database Architect

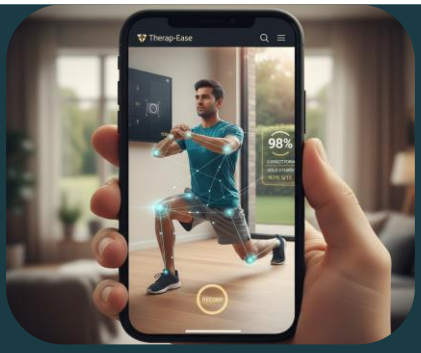
BSc (Hons.) Computer Science 3rd year
Software Developer, with a focus on Data & Automation

## SHIVAM YADAV

### Lead Product Strategist And Researcher

BSc (Hons.) Computer Science 3rd year
Specializing in Python-driven research for ML models

# THE CORE ECOSYSTEM




Exercise Tracking

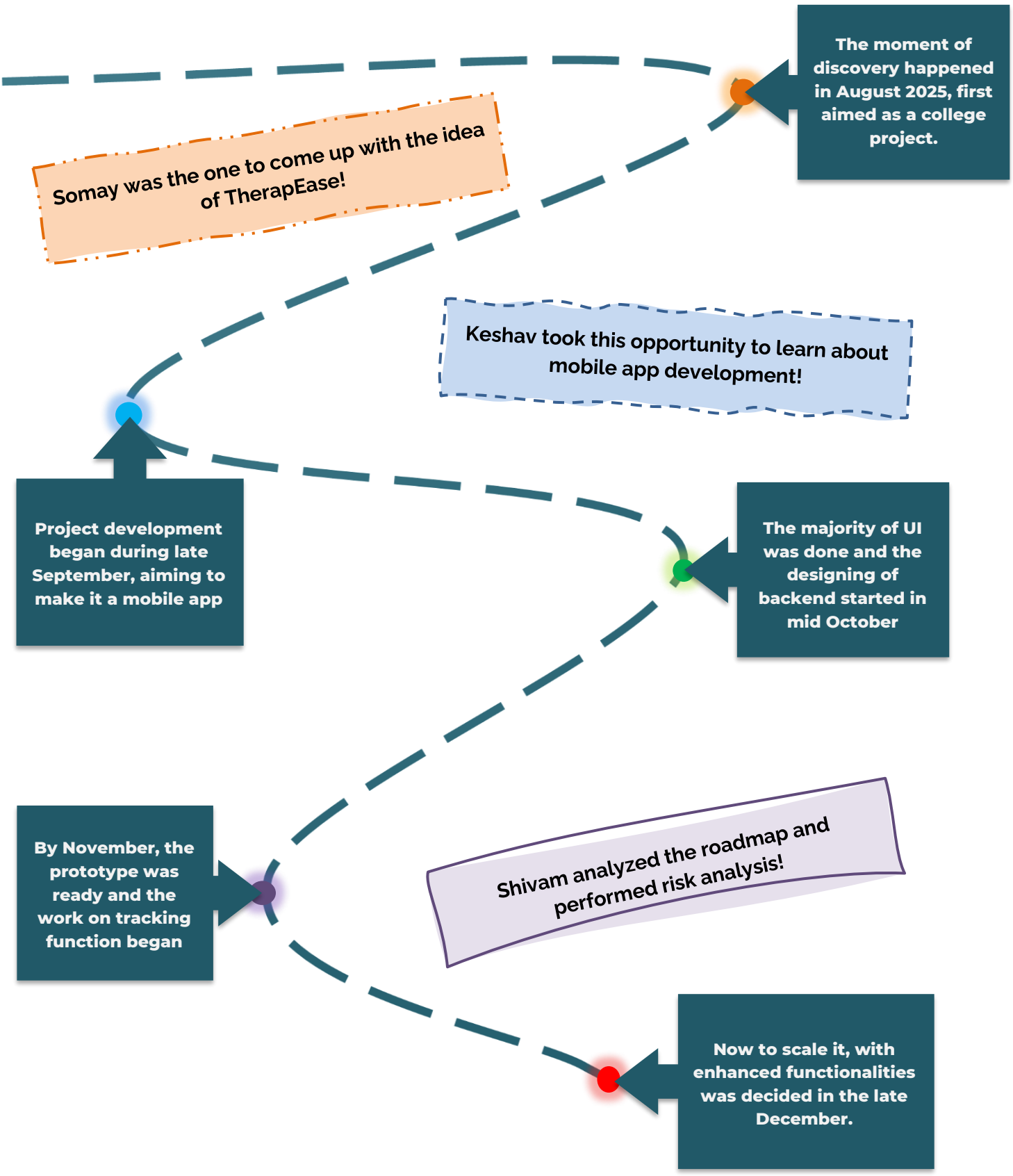
Get instant reviews

Cuts the distance

Progress Tracking

Generate prescription

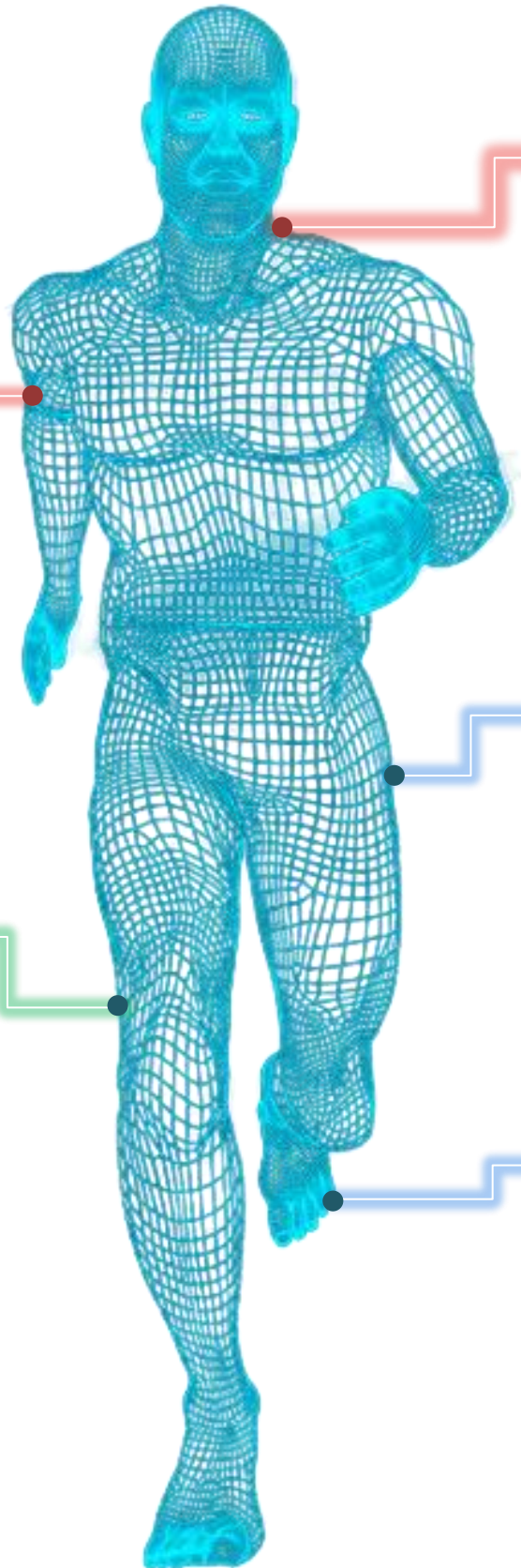
# GENESIS VISION



# BRIDGING THE GAP

| | |
|---|---|
| Physiotherapists handle a number of patients, which leads to longer waiting times and reduces one-on-one attention. | Doctors can review the reports and adjust exercise plans, intensity, or frequency without needing an in-person visit. |
| Performance of exercises at home is not tracked properly, hence, it makes hard for the doctor to assess progress. | The app will monitor motion through camera lens, providing feedback on the performance. |
| Any errors in exercise execution go unnoticed until the patient visits the hospital again along with their reports. | All exercise data will be automatically collected and converted into a clear, structured PDF report for doctors. |

# BEHIND THE WORKFLOW



The app monitors patients' exercises through camera or and provides feedback on their performance and progressions.

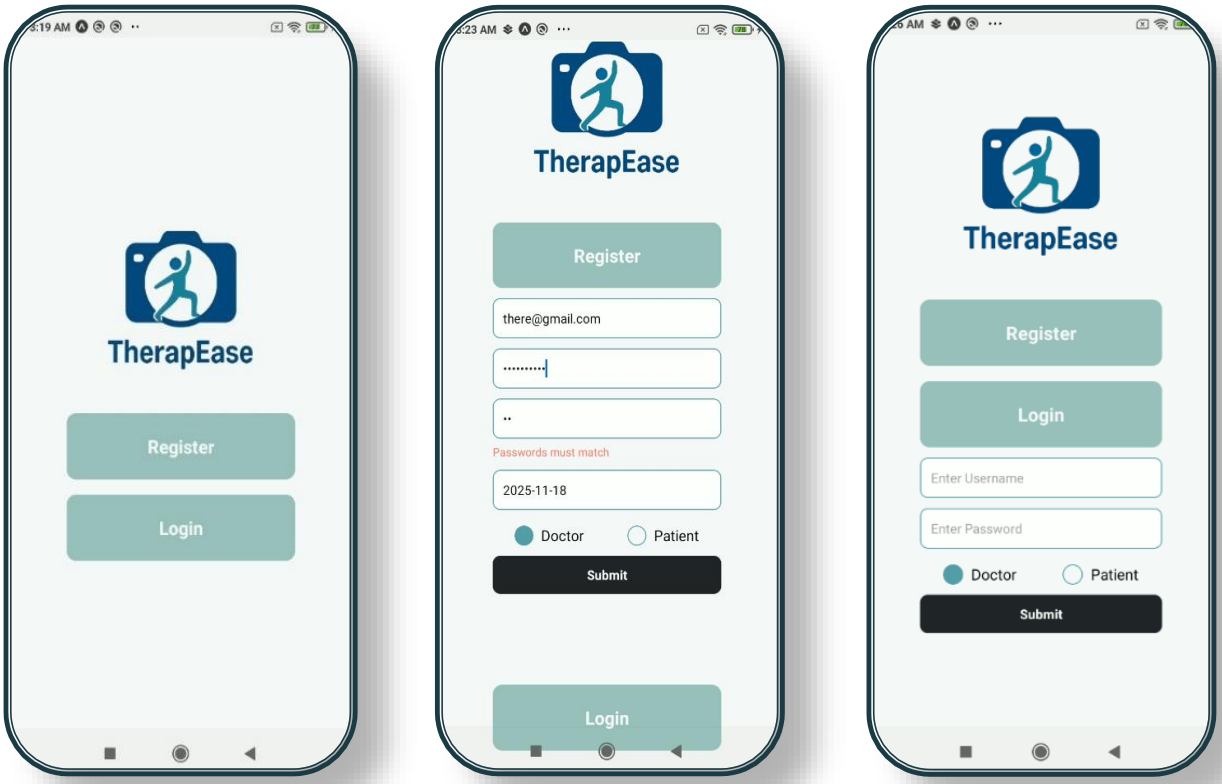
Doctors can review the reports and adjust exercise plans, intensity, or frequency without needing an in-person visit.

Greatly reduce the need for frequent hospital visits, easing overcrowding and avoid financial burden on travel expenses.

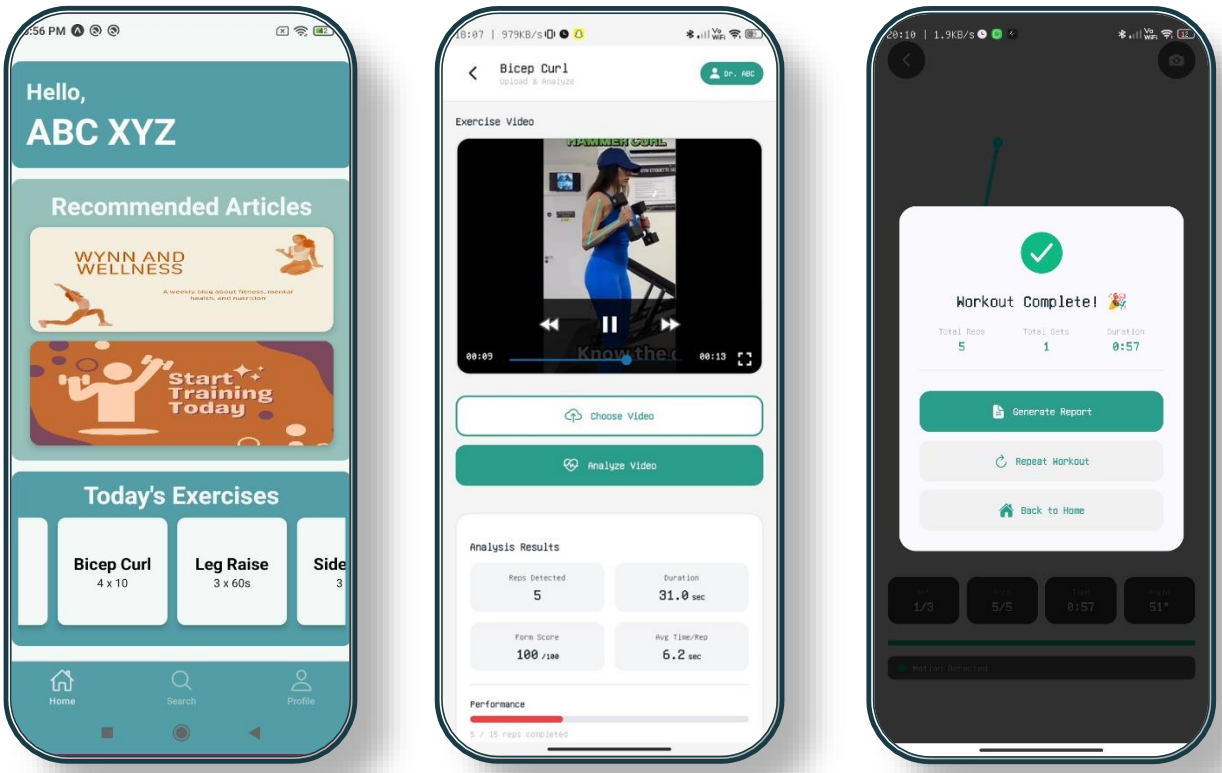
Designed for all age groups, with easy to learn navigation, exercise steps, and reminders to improve the posture for speedy recovery and correct rep

All exercise data will be automatically collected and converted into a clear, structured PDF report.

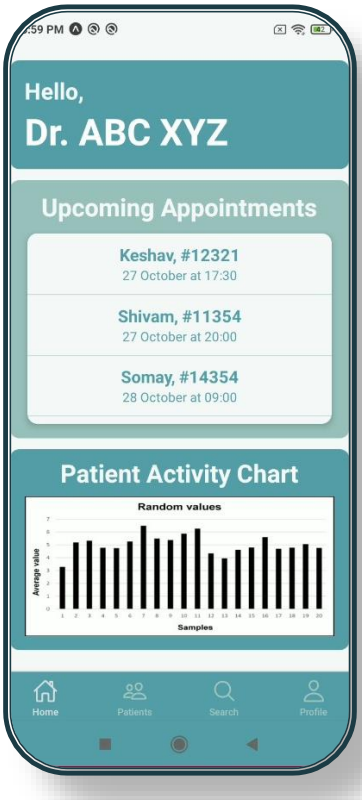
# WHAT'S INSIDE

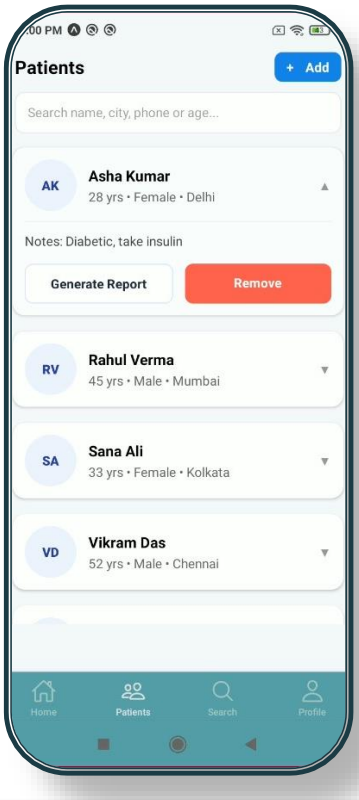


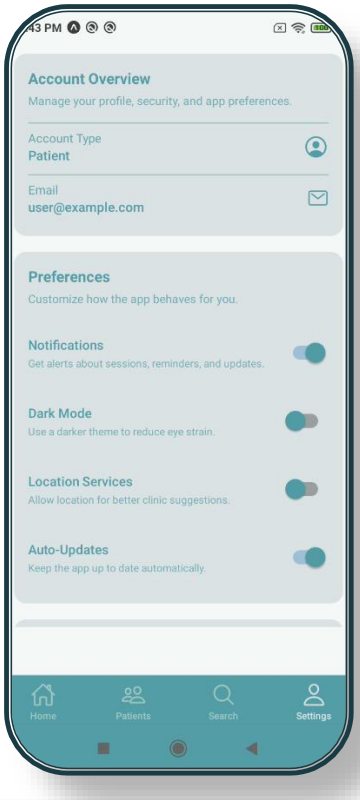

LOGIN / REGISTERATION PAGE



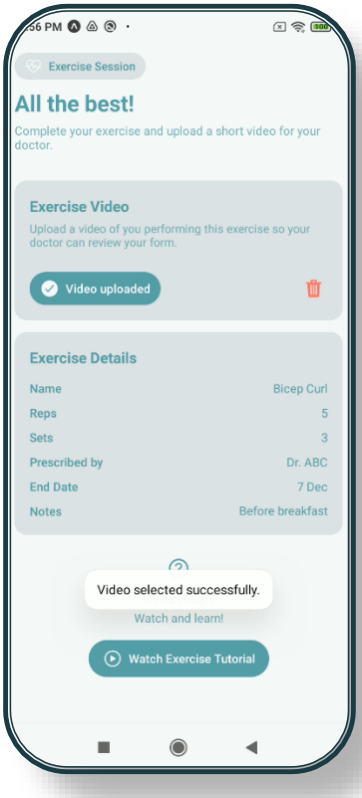

PATIENT SCREEN

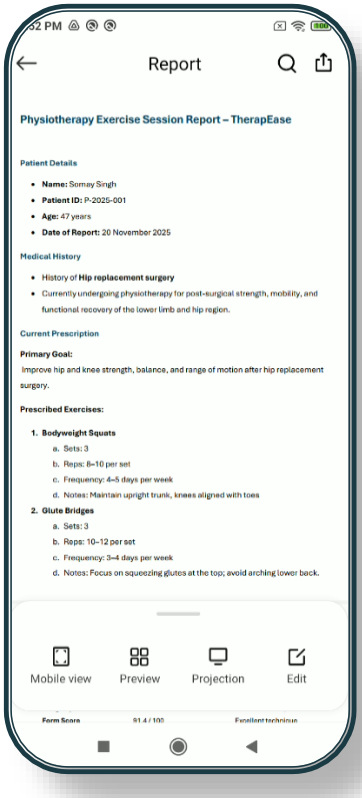



## DOCTOR SCREEN



## EXTRA SCREENS (Report, Upload, Camera)

# IMPACT BEYOND THE CODE

The ultimate **ambition** of the project extends far beyond algorithmic precision. The team is driven by a singular **mission**: to ensure that high-quality rehabilitative care is no longer a luxury, but a fundamental **right**.

By leveraging **open-source** technology and standard mobile hardware, the initiative seeks to bridge the global healthcare gap, transforming every smartphone into a **clinical ally** and bringing expert-guided **recovery** to the most underserved corners of the world.

**NOTE**: TherapEase is currently in active development. Interested in making an impact? Contact the developers to collaborate.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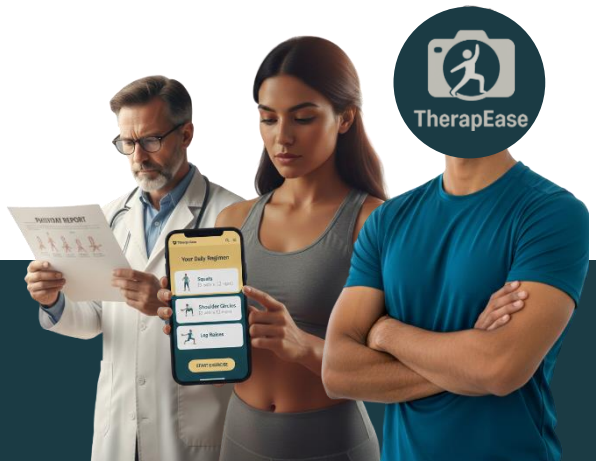
**Keshav Pal**
BSc (H.) Computer Science 3rd year