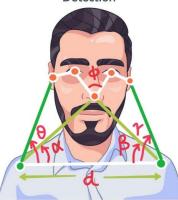
POSEMATE



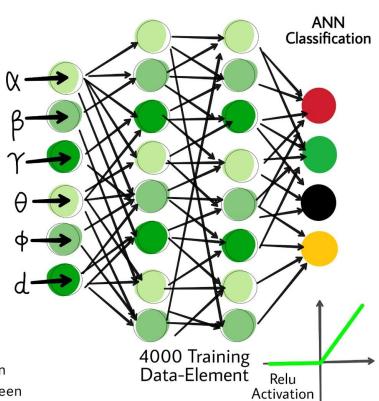


: Wrong posture

. Correct

🛑 : Leaning towards screen

: Leaning away from screen







Problem Statement

"The wrong Posture of Sitting with Minimal Breaks In this Digital Era with Average Screen-time More than 5 hours, are deteriorating Life quality Standards by leading to problems related to Spinal cord, gastrology, weakening of eyesight and many more consequences which eventually affects the work-life which we were onto"

"With the underlying Pandemic at place, Programmers/Students/working professionals are spending more Time with their laptop, working out day and night!"

Our Hack

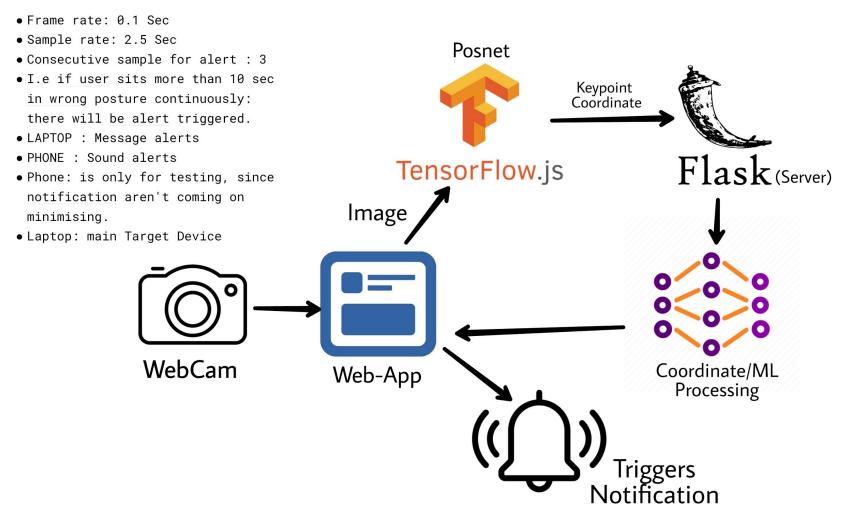
"A Robust Al-Driven System (Web App) That Monitors:

- Posture (7 Body KeyPoints)
- Relative Distance from Display

Which Notifies User when his/her Posture or Relative Distance is Wrong with a Suggestion on how to improve it! "

Using

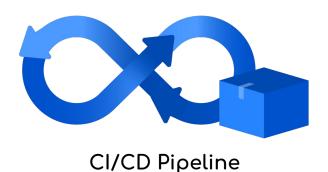
- CNN And ANN Model
- Tensorflow.js/ Movenet3.0 with Client Side Rendering.



Key Features

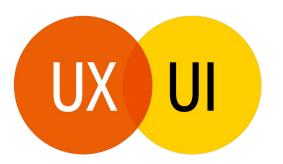


Pose-Detection with Movenet3.0 on Tensorflow.js

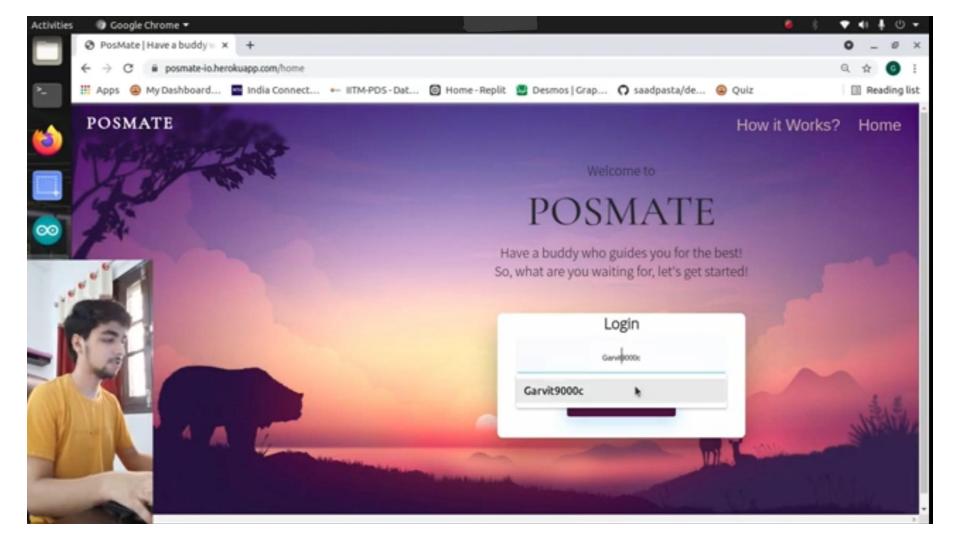


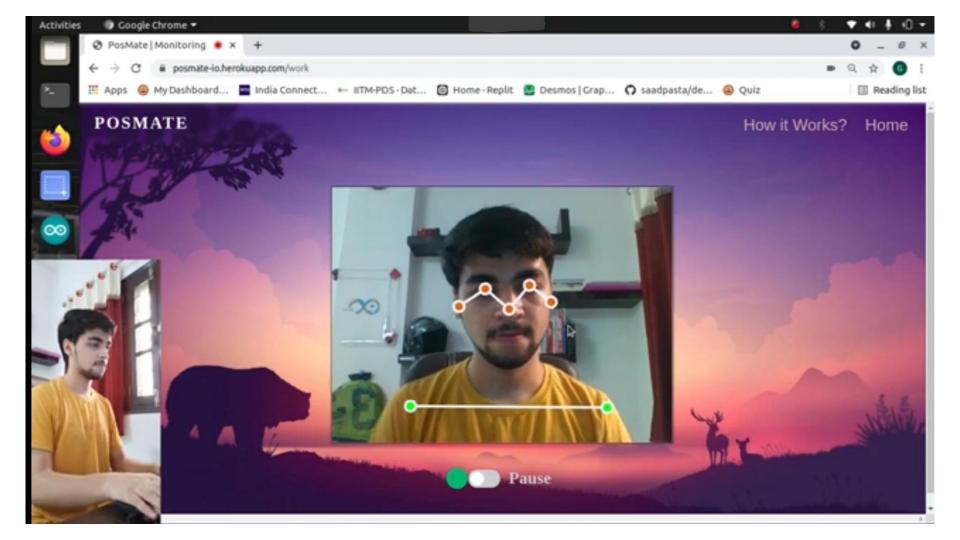


Client Side AI rendering, Reducing Server Load Drastically

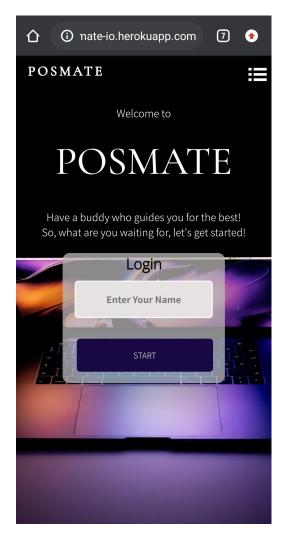


Responsive UI with Minimalistic Design











Tech-Stack

- Front End: HTML5 / CSS3 / Bootstrap / JavaScript / jQuery
- Backend End: Flask-python
- Deployment: Heroku
- ML Models: Tensorflow.js / SkLearn / Movenet

