REQUIREMENTS

HARDWARE

- Raspberry pi
- IR(infrared) Camera

SOFTWARE

- Django
- Kotlin
- Python Al packages

CONVOLUTION NEURAL NETWORK compares images CONVOLUTION piecewise RELU LAYER LAYER OBJECT DATASETS Captures Removes the we values from the mage matrix objects CAMERA companing the models OBTAINED MODEL POOLING LAYER shrinking the image machine cetects the and stacking the matrix 2-3 iterations of the layers creating a object subjected for tracking using matrix model various algorithms TRACKING OBTAINED OBJECT OBJECT TRACKING • DATASETS TRACKING MODEL DETECTION compairing the models alerting the users for MOBILE APP suspicious activity MOMENT TRACKING