Hi, Your profile has been short-listed!

As a next step, please complete the following task and send it back to us on or before **xxx**

**COMPUTER VISION TASK**

**Problem Statement:-Detect people and track them throughout the view**

**Video Data: The following video contains CCTV data of people walking.**

[**https://www.youtube.com/watch?v=\_bmSDYqO8Dw**](https://www.youtube.com/watch?v=_bmSDYqO8Dw)

**Required Task:**

1. Detect humans in the video
2. Assign an ID to each unique person
3. Implement tracker on each person

Required Output:

1. Count of unique people
2. Count of unique people going left to right

**Evaluation Criteria for tasks** (Please provide a small write-up with the following details):

1. Execution time of code
2. Code cleanliness
3. Code scalability
4. Optimized code in terms of time & space complexity
5. Correct choice of data structures
6. Visualizations, if possible
7. Quality of output
8. Bonus points for unit tests