

ROLE: AI/ML Engineering summer interns

Instructions:

- 1) You must solve at least one of the below problem statements
- 2) If you solve more than one, you will receive extra credit for the next selection round
- 3) After solving the task(s), you should submit your solution in a video NOT EXCEEDING FIVE minutes and your Github link. The video must cover the following aspects:
 - Your understanding of the problem statement
 - How did you approach the problem?
 - A video that contains how your solution works
- 4) Your codes must be original and not copied
- 5) The due date for submitting your response is WITHIN SEVEN calendar days . If you submit your solution beyond SEVEN calendar days, you will be automatically disqualified
- 6) If you are unable to solve your tasks completely, you can still submit your partially completed work in the format as instructed in step-3 above, along with your explanation as to why you couldn't complete the task. Please note that a fully completed task will receive full-score and more priority compared to the one completed partially
- 7) Submit your solution [here](#)

Task-1

Write a REST API: "/getImageDetails" POST type.

Input: an image as an input

Output: returns a list and count of each of the following types: human faces, animals and objects in the image in a JSON format.

Optional suggestion: perhaps you may explore using a computer vision/image recognition api (such as open CV or google or microsoft, etc)

OR

Task-2

Write a REST API: "/createCollage" POST type.

Input: a list of images as an input, or a video (for additional credits)

Output: returns an image that is a collage of the human faces that are there in the input images or video.

Optional suggestion: perhaps you may explore using a computer vision/image recognition api (such as open CV or google or microsoft, etc)