



About TensorGo

TensorGo Technologies is an enterprise-grade low code PaaS company for computer vision products. The platform enables users to build the most complex ML/DL applications in an easier manner by integrating our APIs. We custom build State-Of-The-Art neural networks to solve the most challenging problems in the world. We are shaping a smarter tomorrow through our deep learning, computer vision-powered products.

Our fundamental goal is to help companies scale up their businesses, improve their processes, bring down costs and enhance their customer engagement most efficiently. With our powerful and enterprise-ready solutions years ahead in the game, we make the future happen at TensorGo.

Gartner Inc. has recognized TensorGo as a Cool Vendor in The Cool Vendor in AI for Computer Vision - 2022. We also won the accolade for the Best Overall Pitch in the prestigious Oracle APAC Startup Idol 2022.

Visit us at: <https://tensorgo.com> for more information.

The TensorGo team wishes you Good Luck!

Instructions

1. Two day (48hrs) hackathon.
2. Once you are done with the assignment, please send your work by email.
3. Any further questions you might have to assume as per your thought process.

Use Case

Design and develop an application having the following functionality in live video.

1. The notice should read "No Person" if no one is visible in the video.
2. If the person walks in, detect the person and track the path of the person using yoloV7 and DeepSort only.
3. Give each individual a special ID so that they can be monitored throughout the video using that same ID.
5. Detect the people wearing a face mask or not wearing a face mask.

What Do We Expect From You?

1. Please only generate inferred video using this [video](#).
2. Google Drive link to video showcasing the application functionality.
3. Write a page about your approach to this solution and why you have taken it.
4. Do NOT submit any code or models at this point in the process.

Do You Want To Go Beyond Expectations?

- Excellent!

You can show your magic by deploying the application at the edge or optimization of the application to run at acceptable FPS.