AI & ML Video Assignment

1st February 2021

Face Detection

Implement a face tracking algorithm using haar cascade algorithm and OpenCV. Using haar cascade, first implement a face detection algorithm that counts the total number of faces present in any given frame. Write the total number of faces detected on the top left of the image. Further modify the code to track the face if only one face is detected. Make sure that you draw the bounding box corresponding to all video frames. Note: you may need to fine tune the parameters for Haar Cascade Classifier to get optimal results and remove false positives.