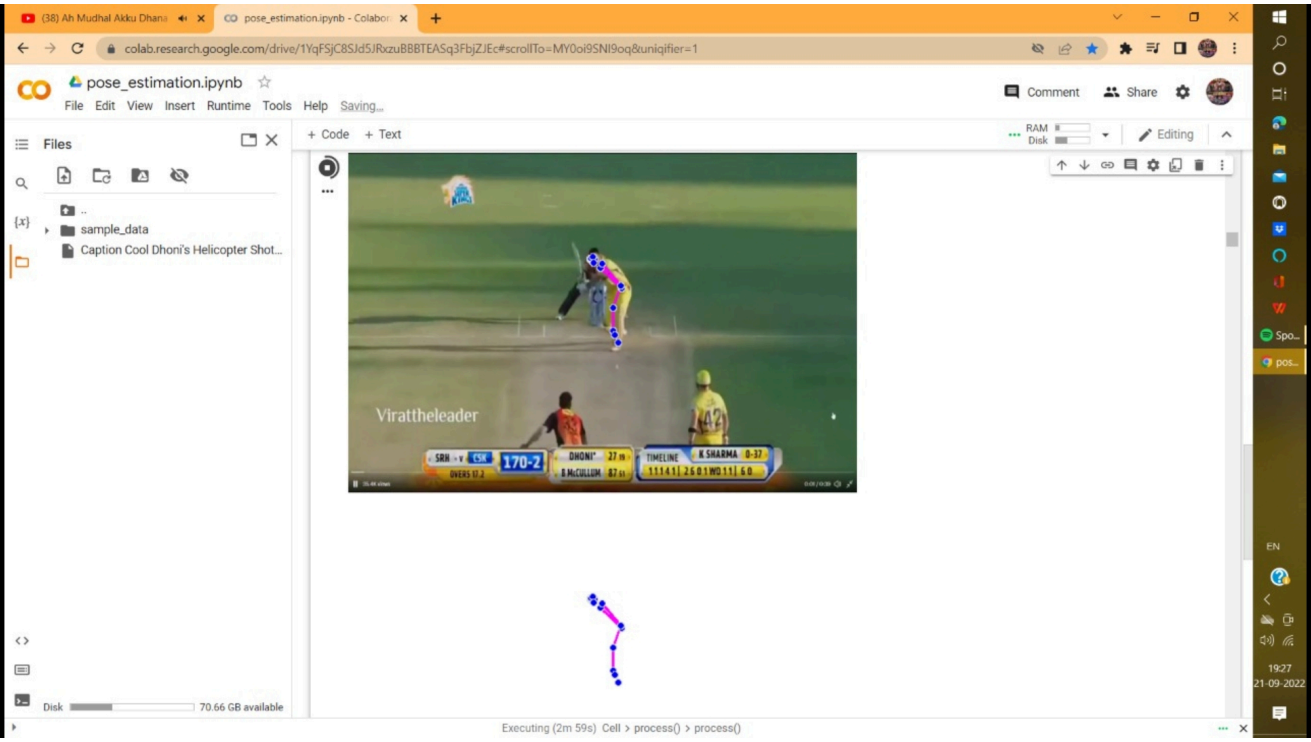
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(38) Ah Mudhal Akku Dhana
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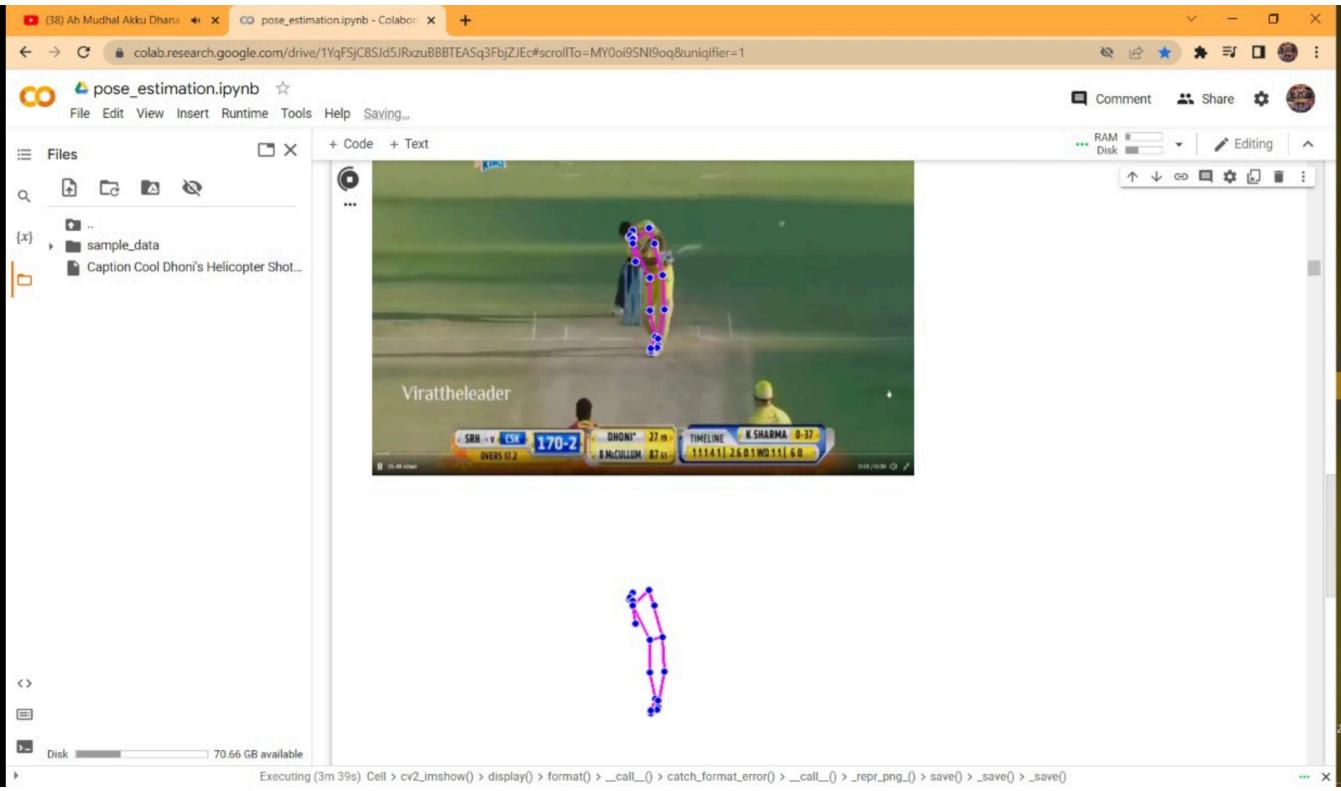
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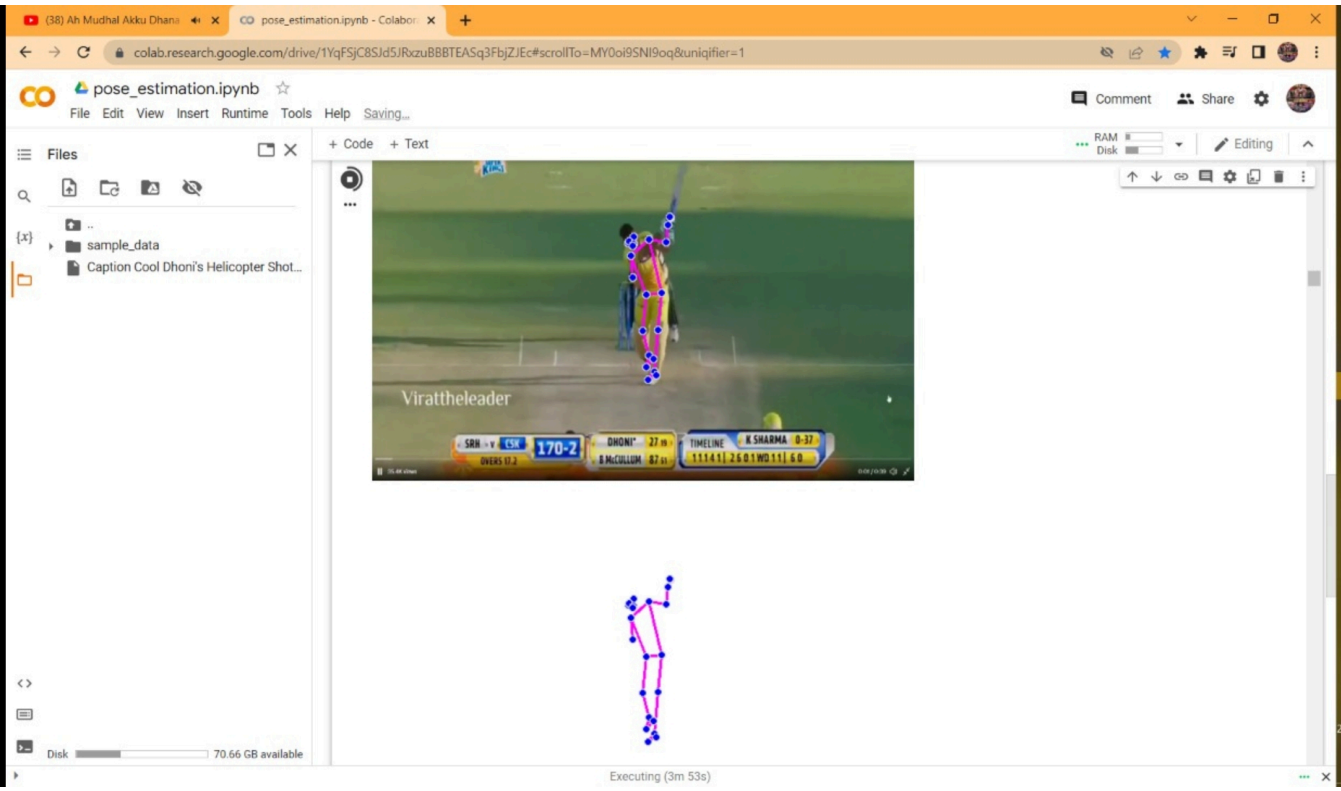
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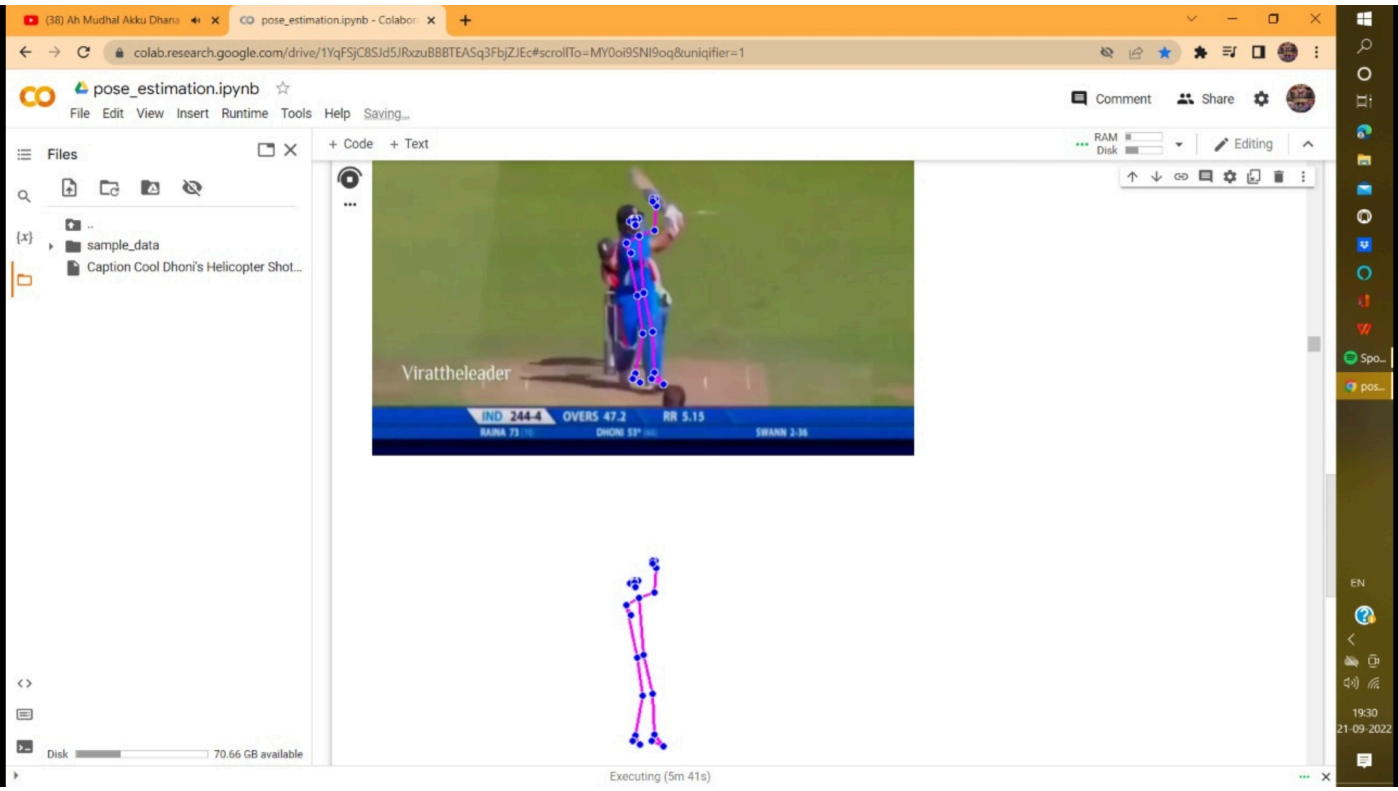
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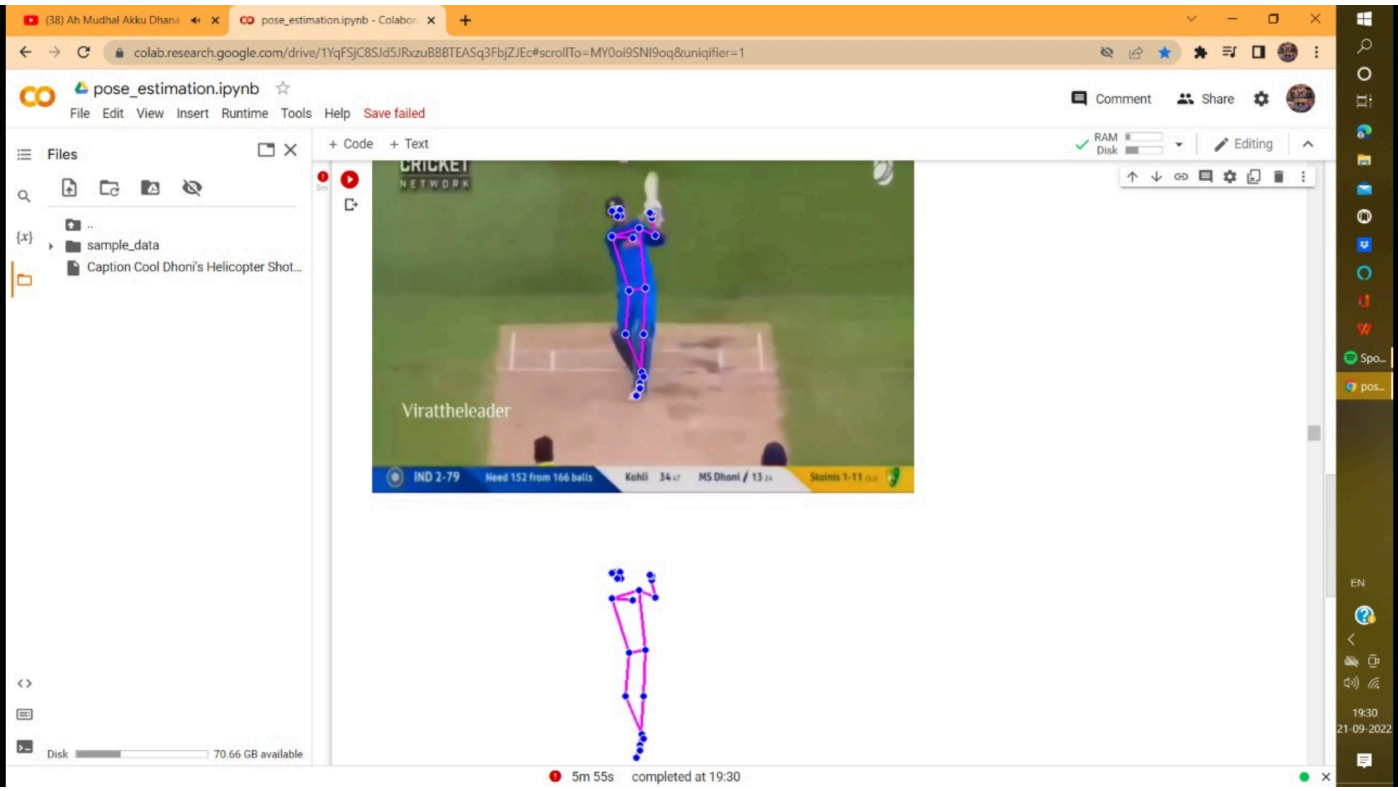
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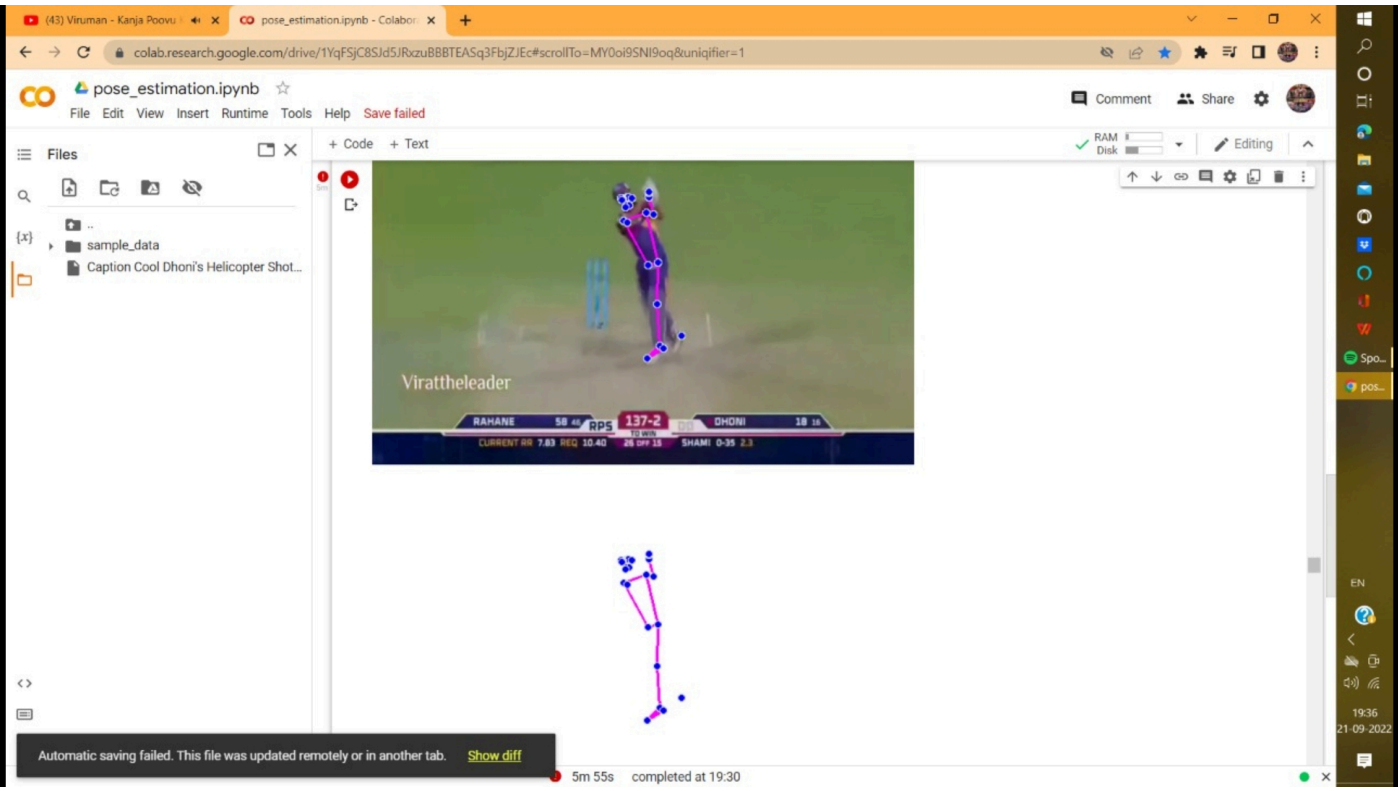
(43) Viruman - Kanja Poovu
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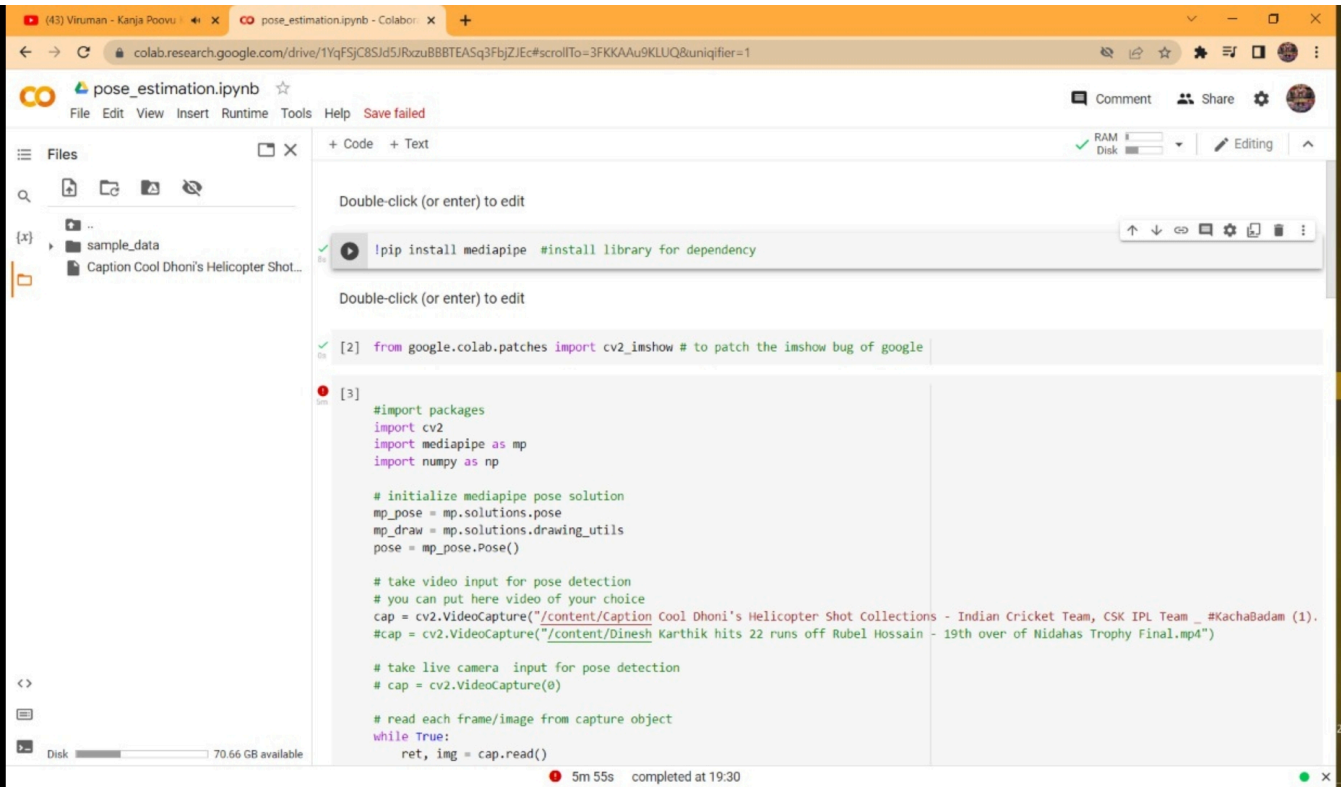
(43) Viruman - Kanja Poovu
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Caption Cool Dhoni's Helicopter Shot...
Double-click (or enter) to edit
!pip install mediapipe #install library for dependency
Double-click (or enter) to edit
[2] from google.colab.patches import cv2_imshow # to patch the imshow bug of google
[3]
#import packages
import cv2
import mediapipe as mp
import numpy as np
# initialize mediapipe pose solution
mp_pose = mp.solutions.pose
mp_draw = mp.solutions.drawing_utils
pose = mp_pose.Pose()
# take video input for pose detection
# you can put here video of your choice
cap = cv2.VideoCapture("/content/Caption Cool Dhoni's Helicopter Shot Collections - Indian Cricket Team, CSK IPL Team _ #KachaBadam (1).
#cap = cv2.VideoCapture("/content/Dinesh Karthik hits 22 runs off Rubel Hossain - 19th over of Nidahas Trophy Final.mp4")
# take live camera input for pose detection
# cap = cv2.VideoCapture(0)
# read each frame/image from capture object
while True:
ret, img = cap.read()
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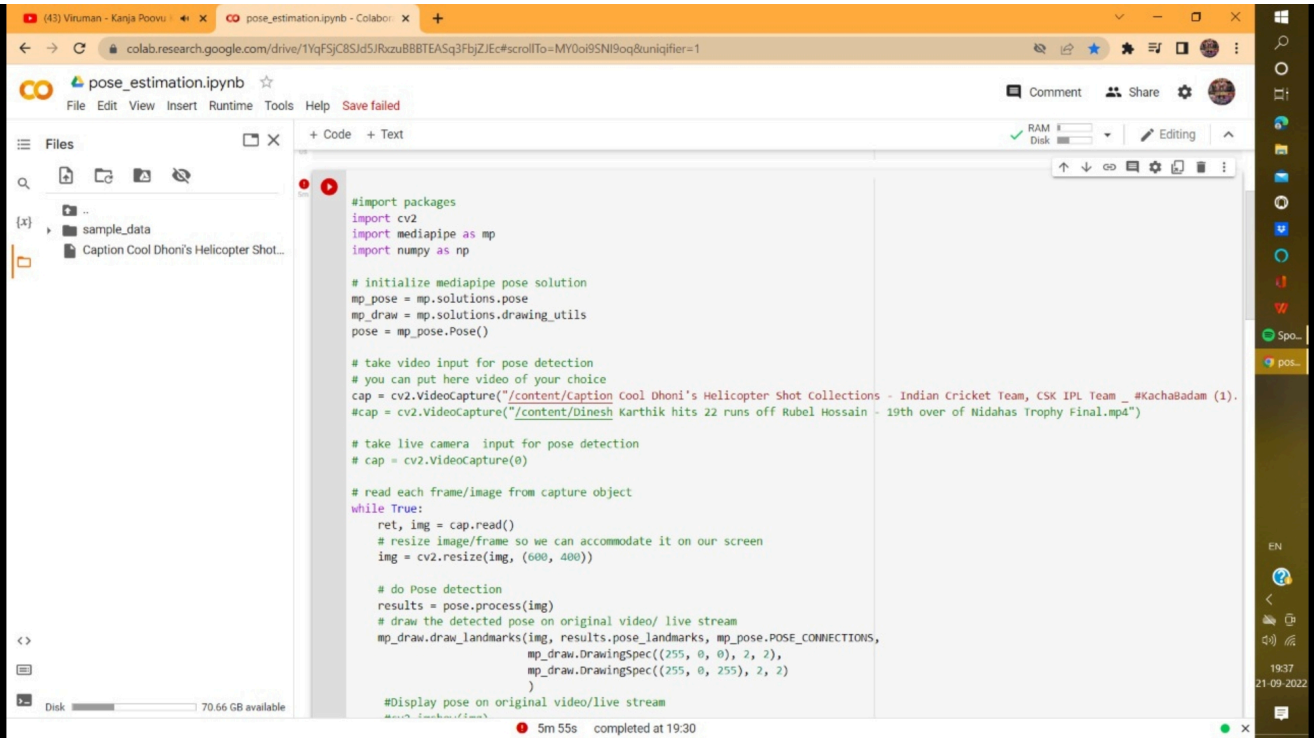
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# take live camera input for pose detection
# cap = cv2.VideoCapture(0)
# read each frame/image from capture object
while True:
ret, img = cap.read()
# resize image/frame so we can accommodate it on our screen
img = cv2.resize(img, (600, 400))
# do Pose detection
results = pose.process(img)
# draw the detected pose on original video/ live stream
mp_draw.draw_landmarks(img, results.pose_landmarks, mp_pose.POSE_CONNECTIONS,
mp_draw.DrawingSpec((255, 0, 0), 2, 2),
mp_draw.DrawingSpec((255, 0, 255), 2, 2)
)
#Display pose on original video/live stream
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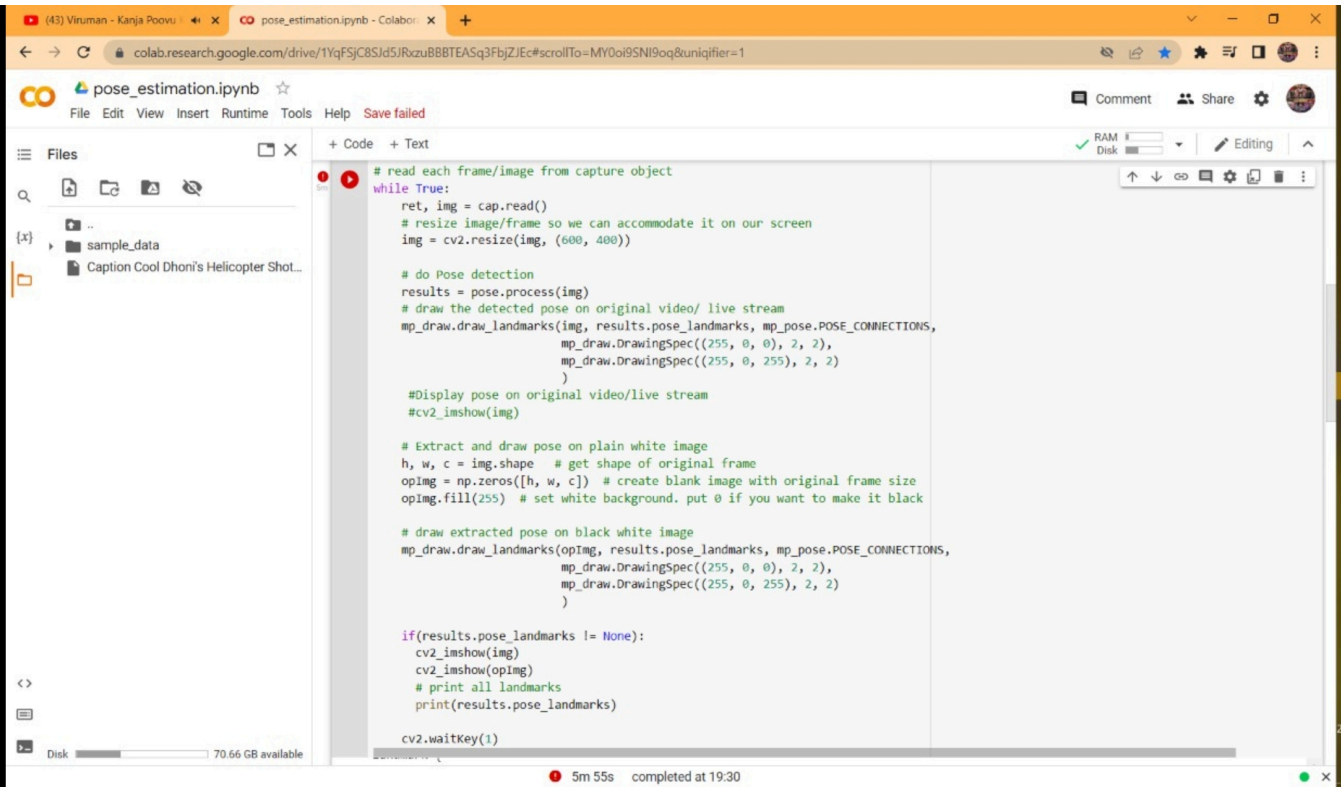
(43) Viruman - Kanja Poovu
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# resize image/frame so we can accommodate it on our screen
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# do Pose detection
results = pose.process(img)
# draw the detected pose on original video/ live stream
mp_draw.draw_landmarks(img, results.pose_landmarks, mp_pose.POSE_CONNECTIONS,
mp_draw.DrawingSpec((255, 0, 0), 2, 2),
mp_draw.DrawingSpec((255, 0, 255), 2, 2)
)
#Display pose on original video/live stream
#cv2_imshow(img)
Extract and draw pose on plain white image
h, w, c = img.shape # get shape of original frame
opImg = np.zeros([h, w, c]) # create blank image with original frame size
opImg.fill(255) # set white background. put 0 if you want to make it black
draw extracted pose on black white image
mp_draw.draw_landmarks(opImg, results.pose_landmarks, mp_pose.POSE_CONNECTIONS,
mp_draw.DrawingSpec((255, 0, 0), 2, 2),
mp_draw.DrawingSpec((255, 0, 255), 2, 2)
)
if(results.pose_landmarks != None):
cv2_imshow(img)
cv2_imshow(opImg)
# print all landmarks
print(results.pose_landmarks)
cv2.waitKey(1)
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21-09-2022