

```
import cv2

import mediapipe as mp

import numpy as np

import matplotlib.pyplot as plt


# Step 1: Create a PoseLandmarker object.

mp_pose = mp.solutions.pose

mp_drawing = mp.solutions.drawing_utils

detector = mp_pose.Pose(

    static_image_mode=True,

    model_complexity=2,

    enable_segmentation=True)


# Step 2: Load the input image.

image = cv2.imread(r"C:\Users\Hanshu\Desktop\photos\Camera\IMG_20190406_215330.jpg")


# Step 3: Convert the image to RGB format and process it.

image_rgb = cv2.cvtColor(image, cv2.COLOR_BGR2RGB)

results = detector.process(image_rgb)


# Step 4: Process the detection result and visualize it.

annotated_image = image.copy()

mp_drawing.draw_landmarks(

    annotated_image,

    results.pose_landmarks,

    mp_pose.POSE_CONNECTIONS,

    landmark_drawing_spec=mp_drawing.DrawingSpec(color=(0, 255, 0), thickness=2,

    circle_radius=2),

    connection_drawing_spec=mp_drawing.DrawingSpec(color=(0, 0, 255), thickness=2))


# Step 5: Display the annotated image.
```

```
plt.imshow(cv2.cvtColor(annotated_image, cv2.COLOR_BGR2RGB))  
plt.axis('off')  
plt.show()
```