```
In [5]: import cv2
                             frozen\_model = 'C:\Users\shars\AppData\Roaming\Microsoft\Windows\Start Menu\Programs\Python 3.9\forzen\_inference\_graph.pb' config_file = 'C:\Users\shars\AppData\Roaming\Microsoft\Windows\Start Menu\Programs\Python 3.9\sd\_mobilenet\_v3\_large\_coco_2020\_01_14.pbtxt' forces for the program of 
                             model = cv2.dnn_DetectionModel(frozen_model, config_file)
                             model.setInputSize(320, 320)
model.setInputScale(1.0/127.5) # 255 / 2 = 127.5
model.setInputWean((127.5, 127.5, 127.5)) # mobilenet => [-1, 1]
model.setInputSwapR8(True)
                           <dnn_Model 00000182DA94D8D0>
                             classlabels = []
file_name = 'C:/Users/shars/Desktop/lables.txt'
with open(file_name, 'rt') as fpt:
                                       classlabels = fpt.read().rstrip('\n').split('\n')
In [17]:
                             import matplotlib.pyplot as plt
                             img = cv2.imread('C:/Users/shars/Desktop/john-arano-LzxsSWAVMYs-unsplash.jpg')
                             plt.imshow(cv2.cvtColor(img, cv2.COLOR_BGR2RGB))
                           <matplotlib.image.AxesImage at 0x182f04d16a0>
                             200
                             400
                             600
                            800
                                                                      400
                            ClassIndex, confidence, bbox = model.detect(img, confThreshold=0.5)
In [19]:
                             print(confidence)
                           [[0.63268983]
                              [0.62289923]
                               [0.61495084]
                               [0.59208065]
                              [0.58845043]
[0.5691272]
                               [0.56890094
                               [0.56597775]
                              [0.5658475
[0.5581588
                               [0.55553865]
                              [0.5544171 ]
                               [0.5502028
                               [0.54977566]
                               [0.54632646]
                               [0.5440526
                               [0.5321235
                             [0.53126436]
[0.52667063]]
In [20]: print(bbox)
                           [[186 649 48 68]
                              [371 622 53 66]
[223 622 33 42]
                              [ 97 528 13 30]
[ 395 620 69 80]
[ 155 647 52 75]
[ 65 649 117 89]
                              [193 624 39 49]
[560 625 42 53]
[510 623 37 48]
                               [262 617 120 121]
                                [ 38 542 566 154]
                                [398 638 59 81]
                                [551 592 12 31]
                                [548 617 27 59]
                                [ 93 536 11 27]
                              [431 647 84 77]
[377 534 9 26]
                              [495 374 52 67]]
In [21]: print(ClassIndex)
                           [[ 3]
                             [ 3]
[ 3]
[10]
                             [ 3]
[ 3]
[ 3]
[ 3]
[ 3]
[ 3]
                                  3]
```

```
In [22]: print(classlabels)

['person', 'bicycle', 'car', 'motorbike', 'aeroplane', 'bus', 'train', 'truck', 'boat', 'traffic light', 'fire hydrant', 'stop sign', 'parking meter', 'bench', 'bird', 'ca t', 'dog', 'horse', 'sheep', 'con', 'elephant', 'bear', 'zebra', 'giraffe', 'backpack', 'umbrella', 'handbag', 'tie', 'suuttese', 'frisbee', 'skis', 'sonoboard', 'sports bal l', kitte', 'basebal bat', 'basebal lighoe', 'siateboard', 'surrbaard', 'trambarak', 'wine', 'sport, 'port, 'hird', 'sport, 'boult', 'wine', 'sport, 'how', 'wine', 'sport, 'boult', 'wine', 'sport, 'how', 'wine', 'sport, 'boult', 'wine', 'sport, 'how', 'wine', 'sport, 'boult', 'sale', 'percephant', 'hee', 'diningsale', 'Jalet', 'twentter', 'lagrep', hous e', 'remote', 'keybeard', 'call phone', 'microwave', 'even', 'toaster', 'sink', 'refrigerator', 'book', 'ciack', 'wase', 'sciscors', 'teddy bear', 'hair drier', 'toothbrus

In [23]: font_scale = 3 font_scale_= 3 font_scale_= 10 font_scale_= 10
```

In [ ]:

800

200 400