| | | |
|---|---|---|
| res2a_branch2a (Conv2D) | (None, 103, 103, 64) 4160 | max_pooling2d_1[0][0] |
| bn2a_branch2a (BatchNormalizati | (None, 103, 103, 64) 256 | res2a_branch2a[0][0] |
| activation_2 (Activation) | (None, 103, 103, 64) 0 | bn2a_branch2a[0][0] |
| res2a_branch2b (Conv2D) | (None, 103, 103, 64) 36928 | activation_2[0][0] |
| bn2a_branch2b (BatchNormalizati | (None, 103, 103, 64) 256 | res2a_branch2b[0][0] |
| activation_3 (Activation) | (None, 103, 103, 64) 0 | bn2a_branch2b[0][0] |
| res2a_branch2c (Conv2D) | (None, 103, 103, 256 16640 | activation_3[0][0] |
| res2a_branch1 (Conv2D) | (None, 103, 103, 256 16640 | max_pooling2d_1[0][0] |
| bn2a_branch2c (BatchNormalizati | (None, 103, 103, 256 1024 | res2a_branch2c[0][0] |
| bn2a_branch1 (BatchNormalizatio | (None, 103, 103, 256 1024 | res2a_branch1[0][0] |
| add_1 (Add) | (None, 103, 103, 256 0 | bn2a_branch2c[0][0]<br>bn2a_branch1[0][0] |
| activation_4 (Activation) | (None, 103, 103, 256 0 | add_1[0][0] |
| res2b_branch2a (Conv2D) | (None, 103, 103, 64) 16448 | activation_4[0][0] |
| bn2b_branch2a (BatchNormalizati | (None, 103, 103, 64) 256 | res2b_branch2a[0][0] |
| activation_5 (Activation) | (None, 103, 103, 64) 0 | bn2b_branch2a[0][0] |
| res2b_branch2b (Conv2D) | (None, 103, 103, 64) 36928 | activation_5[0][0] |
| bn2b_branch2b (BatchNormalizati | (None, 103, 103, 64) 256 | res2b_branch2b[0][0] |
| activation_6 (Activation) | (None, 103, 103, 64) 0 | bn2b_branch2b[0][0] |

```
_____________
res2b_branch2c (Conv2D)          (None, 103, 103, 256 16640       activation_6[0][0]
_____________________________________________________________________________________
_____________
bn2b_branch2c (BatchNormalizati (None, 103, 103, 256 1024        res2b_branch2c[0][0]
_____________________________________________________________________________________
_____________
add_2 (Add)                      (None, 103, 103, 256 0           bn2b_branch2c[0][0]
                                                                  activation_4[0][0]
_____________________________________________________________________________________
_____________
activation_7 (Activation)        (None, 103, 103, 256 0           add_2[0][0]
_____________________________________________________________________________________
_____________
res2c_branch2a (Conv2D)          (None, 103, 103, 64) 16448       activation_7[0][0]
_____________________________________________________________________________________
_____________
bn2c_branch2a (BatchNormalizati (None, 103, 103, 64) 256         res2c_branch2a[0][0]
_____________________________________________________________________________________
_____________
activation_8 (Activation)        (None, 103, 103, 64) 0           bn2c_branch2a[0][0]
_____________________________________________________________________________________
_____________
res2c_branch2b (Conv2D)          (None, 103, 103, 64) 36928       activation_8[0][0]
_____________________________________________________________________________________
_____________
bn2c_branch2b (BatchNormalizati (None, 103, 103, 64) 256         res2c_branch2b[0][0]
_____________________________________________________________________________________
_____________
activation_9 (Activation)        (None, 103, 103, 64) 0           bn2c_branch2b[0][0]
_____________________________________________________________________________________
_____________
res2c_branch2c (Conv2D)          (None, 103, 103, 256 16640       activation_9[0][0]
_____________________________________________________________________________________
_____________
bn2c_branch2c (BatchNormalizati (None, 103, 103, 256 1024        res2c_branch2c[0][0]
_____________________________________________________________________________________
_____________
add_3 (Add)                      (None, 103, 103, 256 0           bn2c_branch2c[0][0]
                                                                  activation_7[0][0]
_____________________________________________________________________________________
_____________
activation_10 (Activation)       (None, 103, 103, 256 0           add_3[0][0]
_____________________________________________________________________________________
_____________
res3a_branch2a (Conv2D)          (None, 52, 52, 128)  32896       activation_10[0][0]
_____________________________________________________________________________________
_____________
bn3a_branch2a (BatchNormalizati (None, 52, 52, 128)  512         res3a_branch2a[0][0]
_____________________________________________________________________________________
_____________
activation_11 (Activation)       (None, 52, 52, 128)  0           bn3a_branch2a[0][0]
_____________________________________________________________________________________
_____________
```

```
res3a_branch2b (Conv2D)         (None, 52, 52, 128)  147584      activation_11[0][0]
_____________
bn3a_branch2b (BatchNormalizati (None, 52, 52, 128)  512         res3a_branch2b[0][0]
_____________
activation_12 (Activation)      (None, 52, 52, 128)  0           bn3a_branch2b[0][0]
_____________
res3a_branch2c (Conv2D)         (None, 52, 52, 512)  66048       activation_12[0][0]
_____________
res3a_branch1 (Conv2D)          (None, 52, 52, 512)  131584      activation_10[0][0]
_____________
bn3a_branch2c (BatchNormalizati (None, 52, 52, 512)  2048        res3a_branch2c[0][0]
_____________
bn3a_branch1 (BatchNormalizatio (None, 52, 52, 512)  2048        res3a_branch1[0][0]
_____________
add_4 (Add)                     (None, 52, 52, 512)  0           bn3a_branch2c[0][0]
                                                                 bn3a_branch1[0][0]
_____________
activation_13 (Activation)      (None, 52, 52, 512)  0           add_4[0][0]
_____________
res3b_branch2a (Conv2D)         (None, 52, 52, 128)  65664       activation_13[0][0]
_____________
bn3b_branch2a (BatchNormalizati (None, 52, 52, 128)  512         res3b_branch2a[0][0]
_____________
activation_14 (Activation)      (None, 52, 52, 128)  0           bn3b_branch2a[0][0]
_____________
res3b_branch2b (Conv2D)         (None, 52, 52, 128)  147584      activation_14[0][0]
_____________
bn3b_branch2b (BatchNormalizati (None, 52, 52, 128)  512         res3b_branch2b[0][0]
_____________
activation_15 (Activation)      (None, 52, 52, 128)  0           bn3b_branch2b[0][0]
_____________
res3b_branch2c (Conv2D)         (None, 52, 52, 512)  66048       activation_15[0][0]
_____________
bn3b_branch2c (BatchNormalizati (None, 52, 52, 512)  2048        res3b_branch2c[0][0]
_____________
add_5 (Add)                     (None, 52, 52, 512)  0           bn3b_branch2c[0][0]
                                                                 activation_13[0][0]
```

```
____________________________________________________________________________________________
____________
activation_16 (Activation)      (None, 52, 52, 512)  0           add_5[0][0]
____________________________________________________________________________________________
____________
res3c_branch2a (Conv2D)         (None, 52, 52, 128)  65664       activation_16[0][0]
____________________________________________________________________________________________
____________
bn3c_branch2a (BatchNormalizati (None, 52, 52, 128)  512         res3c_branch2a[0][0]
____________________________________________________________________________________________
____________
activation_17 (Activation)      (None, 52, 52, 128)  0           bn3c_branch2a[0][0]
____________________________________________________________________________________________
____________
res3c_branch2b (Conv2D)         (None, 52, 52, 128)  147584      activation_17[0][0]
____________________________________________________________________________________________
____________
bn3c_branch2b (BatchNormalizati (None, 52, 52, 128)  512         res3c_branch2b[0][0]
____________________________________________________________________________________________
____________
activation_18 (Activation)      (None, 52, 52, 128)  0           bn3c_branch2b[0][0]
____________________________________________________________________________________________
____________
res3c_branch2c (Conv2D)         (None, 52, 52, 512)  66048       activation_18[0][0]
____________________________________________________________________________________________
____________
bn3c_branch2c (BatchNormalizati (None, 52, 52, 512)  2048        res3c_branch2c[0][0]
____________________________________________________________________________________________
____________
add_6 (Add)                     (None, 52, 52, 512)  0           bn3c_branch2c[0][0]
                                                                 activation_16[0][0]
____________________________________________________________________________________________
____________
activation_19 (Activation)      (None, 52, 52, 512)  0           add_6[0][0]
____________________________________________________________________________________________
____________
res3d_branch2a (Conv2D)         (None, 52, 52, 128)  65664       activation_19[0][0]
____________________________________________________________________________________________
____________
bn3d_branch2a (BatchNormalizati (None, 52, 52, 128)  512         res3d_branch2a[0][0]
____________________________________________________________________________________________
____________
activation_20 (Activation)      (None, 52, 52, 128)  0           bn3d_branch2a[0][0]
____________________________________________________________________________________________
____________
res3d_branch2b (Conv2D)         (None, 52, 52, 128)  147584      activation_20[0][0]
____________________________________________________________________________________________
____________
bn3d_branch2b (BatchNormalizati (None, 52, 52, 128)  512         res3d_branch2b[0][0]
____________________________________________________________________________________________
____________
activation_21 (Activation)      (None, 52, 52, 128)  0           bn3d_branch2b[0][0]
____________________________________________________________________________________________
____________
```

```
res3d_branch2c (Conv2D)         (None, 52, 52, 512)  66048       activation_21[0][0]
_____________
bn3d_branch2c (BatchNormalizati (None, 52, 52, 512)  2048        res3d_branch2c[0][0]
_____________
add_7 (Add)                     (None, 52, 52, 512)  0           bn3d_branch2c[0][0]
                                                                 activation_19[0][0]
_____________
activation_22 (Activation)      (None, 52, 52, 512)  0           add_7[0][0]
_____________
res4a_branch2a (Conv2D)         (None, 26, 26, 256)  131328      activation_22[0][0]
_____________
bn4a_branch2a (BatchNormalizati (None, 26, 26, 256)  1024        res4a_branch2a[0][0]
_____________
activation_23 (Activation)      (None, 26, 26, 256)  0           bn4a_branch2a[0][0]
_____________
res4a_branch2b (Conv2D)         (None, 26, 26, 256)  590080      activation_23[0][0]
_____________
bn4a_branch2b (BatchNormalizati (None, 26, 26, 256)  1024        res4a_branch2b[0][0]
_____________
activation_24 (Activation)      (None, 26, 26, 256)  0           bn4a_branch2b[0][0]
_____________
res4a_branch2c (Conv2D)         (None, 26, 26, 1024) 263168      activation_24[0][0]
_____________
res4a_branch1 (Conv2D)          (None, 26, 26, 1024) 525312      activation_22[0][0]
_____________
bn4a_branch2c (BatchNormalizati (None, 26, 26, 1024) 4096        res4a_branch2c[0][0]
_____________
bn4a_branch1 (BatchNormalizatio (None, 26, 26, 1024) 4096        res4a_branch1[0][0]
_____________
add_8 (Add)                     (None, 26, 26, 1024) 0           bn4a_branch2c[0][0]
                                                                 bn4a_branch1[0][0]
_____________
activation_25 (Activation)      (None, 26, 26, 1024) 0           add_8[0][0]
_____________
res4b_branch2a (Conv2D)         (None, 26, 26, 256)  262400      activation_25[0][0]
_____________
bn4b_branch2a (BatchNormalizati (None, 26, 26, 256)  1024        res4b_branch2a[0][0]
```

```
__________________________________________________________________________________________________
activation_26 (Activation)      (None, 26, 26, 256)  0           bn4b_branch2a[0][0]
__________________________________________________________________________________________________
res4b_branch2b (Conv2D)         (None, 26, 26, 256)  590080      activation_26[0][0]
__________________________________________________________________________________________________
bn4b_branch2b (BatchNormalizati (None, 26, 26, 256)  1024        res4b_branch2b[0][0]
__________________________________________________________________________________________________
activation_27 (Activation)      (None, 26, 26, 256)  0           bn4b_branch2b[0][0]
__________________________________________________________________________________________________
res4b_branch2c (Conv2D)         (None, 26, 26, 1024) 263168      activation_27[0][0]
__________________________________________________________________________________________________
bn4b_branch2c (BatchNormalizati (None, 26, 26, 1024) 4096        res4b_branch2c[0][0]
__________________________________________________________________________________________________
add_9 (Add)                     (None, 26, 26, 1024) 0           bn4b_branch2c[0][0]
                                                                 activation_25[0][0]
__________________________________________________________________________________________________
activation_28 (Activation)      (None, 26, 26, 1024) 0           add_9[0][0]
__________________________________________________________________________________________________
res4c_branch2a (Conv2D)         (None, 26, 26, 256)  262400      activation_28[0][0]
__________________________________________________________________________________________________
bn4c_branch2a (BatchNormalizati (None, 26, 26, 256)  1024        res4c_branch2a[0][0]
__________________________________________________________________________________________________
activation_29 (Activation)      (None, 26, 26, 256)  0           bn4c_branch2a[0][0]
__________________________________________________________________________________________________
res4c_branch2b (Conv2D)         (None, 26, 26, 256)  590080      activation_29[0][0]
__________________________________________________________________________________________________
bn4c_branch2b (BatchNormalizati (None, 26, 26, 256)  1024        res4c_branch2b[0][0]
__________________________________________________________________________________________________
activation_30 (Activation)      (None, 26, 26, 256)  0           bn4c_branch2b[0][0]
__________________________________________________________________________________________________
res4c_branch2c (Conv2D)         (None, 26, 26, 1024) 263168      activation_30[0][0]
__________________________________________________________________________________________________
bn4c_branch2c (BatchNormalizati (None, 26, 26, 1024) 4096        res4c_branch2c[0][0]
__________________________________________________________________________________________________
add_10 (Add)                    (None, 26, 26, 1024) 0           bn4c_branch2c[0][0]
                                                                 activation_28[0][0]
__________________________________________________________________________________________________
```

```
activation_31 (Activation)      (None, 26, 26, 1024) 0           add_10[0][0]
_____________
res4d_branch2a (Conv2D)         (None, 26, 26, 256)  262400      activation_31[0][0]
_____________
bn4d_branch2a (BatchNormalizati (None, 26, 26, 256)  1024        res4d_branch2a[0][0]
_____________
activation_32 (Activation)      (None, 26, 26, 256)  0           bn4d_branch2a[0][0]
_____________
res4d_branch2b (Conv2D)         (None, 26, 26, 256)  590080      activation_32[0][0]
_____________
bn4d_branch2b (BatchNormalizati (None, 26, 26, 256)  1024        res4d_branch2b[0][0]
_____________
activation_33 (Activation)      (None, 26, 26, 256)  0           bn4d_branch2b[0][0]
_____________
res4d_branch2c (Conv2D)         (None, 26, 26, 1024) 263168      activation_33[0][0]
_____________
bn4d_branch2c (BatchNormalizati (None, 26, 26, 1024) 4096        res4d_branch2c[0][0]
_____________
add_11 (Add)                    (None, 26, 26, 1024) 0           bn4d_branch2c[0][0]
                                                                 activation_31[0][0]
_____________
activation_34 (Activation)      (None, 26, 26, 1024) 0           add_11[0][0]
_____________
res4e_branch2a (Conv2D)         (None, 26, 26, 256)  262400      activation_34[0][0]
_____________
bn4e_branch2a (BatchNormalizati (None, 26, 26, 256)  1024        res4e_branch2a[0][0]
_____________
activation_35 (Activation)      (None, 26, 26, 256)  0           bn4e_branch2a[0][0]
_____________
res4e_branch2b (Conv2D)         (None, 26, 26, 256)  590080      activation_35[0][0]
_____________
bn4e_branch2b (BatchNormalizati (None, 26, 26, 256)  1024        res4e_branch2b[0][0]
_____________
activation_36 (Activation)      (None, 26, 26, 256)  0           bn4e_branch2b[0][0]
_____________
res4e_branch2c (Conv2D)         (None, 26, 26, 1024) 263168      activation_36[0][0]
```

```
____________________________________________________________________________________________________
bn4e_branch2c (BatchNormalizati (None, 26, 26, 1024) 4096        res4e_branch2c[0][0]
____________________________________________________________________________________________________
add_12 (Add)                    (None, 26, 26, 1024) 0           bn4e_branch2c[0][0]
                                                                 activation_34[0][0]
____________________________________________________________________________________________________
activation_37 (Activation)      (None, 26, 26, 1024) 0           add_12[0][0]
____________________________________________________________________________________________________
res4f_branch2a (Conv2D)         (None, 26, 26, 256)  262400      activation_37[0][0]
____________________________________________________________________________________________________
bn4f_branch2a (BatchNormalizati (None, 26, 26, 256)  1024        res4f_branch2a[0][0]
____________________________________________________________________________________________________
activation_38 (Activation)      (None, 26, 26, 256)  0           bn4f_branch2a[0][0]
____________________________________________________________________________________________________
res4f_branch2b (Conv2D)         (None, 26, 26, 256)  590080      activation_38[0][0]
____________________________________________________________________________________________________
bn4f_branch2b (BatchNormalizati (None, 26, 26, 256)  1024        res4f_branch2b[0][0]
____________________________________________________________________________________________________
activation_39 (Activation)      (None, 26, 26, 256)  0           bn4f_branch2b[0][0]
____________________________________________________________________________________________________
res4f_branch2c (Conv2D)         (None, 26, 26, 1024) 263168      activation_39[0][0]
____________________________________________________________________________________________________
bn4f_branch2c (BatchNormalizati (None, 26, 26, 1024) 4096        res4f_branch2c[0][0]
____________________________________________________________________________________________________
add_13 (Add)                    (None, 26, 26, 1024) 0           bn4f_branch2c[0][0]
                                                                 activation_37[0][0]
____________________________________________________________________________________________________
activation_40 (Activation)      (None, 26, 26, 1024) 0           add_13[0][0]
____________________________________________________________________________________________________
res5a_branch2a (Conv2D)         (None, 13, 13, 512)  524800      activation_40[0][0]
____________________________________________________________________________________________________
bn5a_branch2a (BatchNormalizati (None, 13, 13, 512)  2048        res5a_branch2a[0][0]
____________________________________________________________________________________________________
activation_41 (Activation)      (None, 13, 13, 512)  0           bn5a_branch2a[0][0]
____________________________________________________________________________________________________
res5a_branch2b (Conv2D)         (None, 13, 13, 512)  2359808     activation_41[0][0]
____________________________________________________________________________________________________
```

```
bn5a_branch2b (BatchNormalizati (None, 13, 13, 512)  2048        res5a_branch2b[0][0]
__________________________________________________________________________________________
activation_42 (Activation)      (None, 13, 13, 512)  0           bn5a_branch2b[0][0]
__________________________________________________________________________________________
res5a_branch2c (Conv2D)         (None, 13, 13, 2048) 1050624     activation_42[0][0]
__________________________________________________________________________________________
res5a_branch1 (Conv2D)          (None, 13, 13, 2048) 2099200     activation_40[0][0]
__________________________________________________________________________________________
bn5a_branch2c (BatchNormalizati (None, 13, 13, 2048) 8192        res5a_branch2c[0][0]
__________________________________________________________________________________________
bn5a_branch1 (BatchNormalizatio (None, 13, 13, 2048) 8192        res5a_branch1[0][0]
__________________________________________________________________________________________
add_14 (Add)                    (None, 13, 13, 2048) 0           bn5a_branch2c[0][0]
                                                                 bn5a_branch1[0][0]
__________________________________________________________________________________________
activation_43 (Activation)      (None, 13, 13, 2048) 0           add_14[0][0]
__________________________________________________________________________________________
res5b_branch2a (Conv2D)         (None, 13, 13, 512)  1049088     activation_43[0][0]
__________________________________________________________________________________________
bn5b_branch2a (BatchNormalizati (None, 13, 13, 512)  2048        res5b_branch2a[0][0]
__________________________________________________________________________________________
activation_44 (Activation)      (None, 13, 13, 512)  0           bn5b_branch2a[0][0]
__________________________________________________________________________________________
res5b_branch2b (Conv2D)         (None, 13, 13, 512)  2359808     activation_44[0][0]
__________________________________________________________________________________________
bn5b_branch2b (BatchNormalizati (None, 13, 13, 512)  2048        res5b_branch2b[0][0]
__________________________________________________________________________________________
activation_45 (Activation)      (None, 13, 13, 512)  0           bn5b_branch2b[0][0]
__________________________________________________________________________________________
res5b_branch2c (Conv2D)         (None, 13, 13, 2048) 1050624     activation_45[0][0]
__________________________________________________________________________________________
bn5b_branch2c (BatchNormalizati (None, 13, 13, 2048) 8192        res5b_branch2c[0][0]
__________________________________________________________________________________________
add_15 (Add)                    (None, 13, 13, 2048) 0           bn5b_branch2c[0][0]
                                                                 activation_43[0][0]
__________________________________________________________________________________________
```

```
activation_46 (Activation)      (None, 13, 13, 2048) 0           add_15[0][0]
_____________
res5c_branch2a (Conv2D)         (None, 13, 13, 512)  1049088     activation_46[0][0]
_____________
bn5c_branch2a (BatchNormalizati (None, 13, 13, 512)  2048        res5c_branch2a[0][0]
_____________
activation_47 (Activation)      (None, 13, 13, 512)  0           bn5c_branch2a[0][0]
_____________
res5c_branch2b (Conv2D)         (None, 13, 13, 512)  2359808     activation_47[0][0]
_____________
bn5c_branch2b (BatchNormalizati (None, 13, 13, 512)  2048        res5c_branch2b[0][0]
_____________
activation_48 (Activation)      (None, 13, 13, 512)  0           bn5c_branch2b[0][0]
_____________
res5c_branch2c (Conv2D)         (None, 13, 13, 2048) 1050624     activation_48[0][0]
_____________
bn5c_branch2c (BatchNormalizati (None, 13, 13, 2048) 8192        res5c_branch2c[0][0]
_____________
add_16 (Add)                    (None, 13, 13, 2048) 0           bn5c_branch2c[0][0]
                                                                 activation_46[0][0]
_____________
activation_49 (Activation)      (None, 13, 13, 2048) 0           add_16[0][0]
_____________
detection_layer_30 (Conv2D)     (None, 13, 13, 30)   61470       activation_49[0][0]
_____________
reshape_1 (Reshape)             (None, 13, 13, 5, 6) 0           detection_layer_30[0]
[0]
==========
Total params: 23,649,182
Trainable params: 23,596,062
Non-trainable params: 53,120
_____________
Fail to load pre-trained weights. Make sure weight file path.
WARNING:tensorflow:From D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\keras\backend\tensorflow_backend.py:1344: calling reduce_mean (from
tensorflow.python.ops.math_ops) with keep_dims is deprecated and will be removed in a
future version.
Instructions for updating:
keep_dims is deprecated, use keepdims instead
Epoch 1/20
```

```
Traceback (most recent call last):

  File "<ipython-input-1-228ec60f16e1>", line 1, in <module>
    runfile('D:/thapa/Documents/Rowan/8th Semester/ML/Yolo-digit-detector-
master/train.py', wdir='D:/thapa/Documents/Rowan/8th Semester/ML/Yolo-digit-detector-
master')

  File "D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\spyder\utils\site\sitecustomize.py", line 880, in runfile
    execfile(filename, namespace)

  File "D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\spyder\utils\site\sitecustomize.py", line 102, in execfile
    exec(compile(f.read(), filename, 'exec'), namespace)

  File "D:/thapa/Documents/Rowan/8th Semester/ML/Yolo-digit-detector-master/train.py",
line 77, in <module>
    config['train']['is_only_detect'])

  File "D:\thapa\Documents\Rowan\8th Semester\ML\Yolo-digit-detector-
master\yolo\frontend.py", line 140, in train
    saved_weights_name = saved_weights_name)

  File "D:\thapa\Documents\Rowan\8th Semester\ML\Yolo-digit-detector-
master\yolo\backend\utils\fit.py", line 45, in train
    max_queue_size   = 8)

  File "D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\keras\legacy\interfaces.py", line 87, in wrapper
    return func(*args, **kwargs)

  File "D:\thapa\Python\Python1\envs\yolo\lib\site-packages\keras\engine\training.py",
line 2114, in fit_generator
    class_weight=class_weight)

  File "D:\thapa\Python\Python1\envs\yolo\lib\site-packages\keras\engine\training.py",
line 1832, in train_on_batch
    outputs = self.train_function(ins)

  File "D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\keras\backend\tensorflow_backend.py", line 2352, in __call__
    **self.session_kwargs)

  File "D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\tensorflow\python\client\session.py", line 929, in run
    run_metadata_ptr)

  File "D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\tensorflow\python\client\session.py", line 1152, in _run
    feed_dict_tensor, options, run_metadata)

  File "D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\tensorflow\python\client\session.py", line 1328, in _do_run
    run_metadata)
```

```
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\tensorflow\python\client\session.py", line 1348, in _do_call
    raise type(e)(node_def, op, message)

UnknownError: Failed to get convolution algorithm. This is probably because cuDNN
failed to initialize, so try looking to see if a warning log message was printed above.
     [[node conv1/convolution (defined at D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\keras\backend\tensorflow_backend.py:3189)  = Conv2D[T=DT_FLOAT,
_class=["loc:@training/Adam/gradients/conv1/convolution_grad/Conv2DBackpropFilter"],
data_format="NCHW", dilations=[1, 1, 1, 1], padding="SAME", strides=[1, 1, 2, 2],
use_cudnn_on_gpu=true, _device="/job:localhost/replica:0/task:0/device:GPU:0"]
(training/Adam/gradients/conv1/convolution_grad/Conv2DBackpropFilter-0-
TransposeNHWCToNCHW-LayoutOptimizer, conv1/kernel/read)]]
     [[{{node
loss/reshape_1_loss/SparseSoftmaxCrossEntropyWithLogits/assert_equal/All/_3447}} =
_Recv[client_terminated=false,
recv_device="/job:localhost/replica:0/task:0/device:CPU:0",
send_device="/job:localhost/replica:0/task:0/device:GPU:0", send_device_incarnation=1,
tensor_name="edge_9921_..._equal/All", tensor_type=DT_BOOL,
_device="/job:localhost/replica:0/task:0/device:CPU:0"]()]]

Caused by op 'conv1/convolution', defined at:
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\spyder\utils\ipython\start_kernel.py", line 231, in <module>
    main()
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\spyder\utils\ipython\start_kernel.py", line 227, in main
    kernel.start()
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-packages\ipykernel\kernelapp.py",
line 477, in start
    ioloop.IOLoop.instance().start()
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-packages\zmq\eventloop\ioloop.py",
line 177, in start
    super(ZMQIOLoop, self).start()
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-packages\tornado\ioloop.py", line
888, in start
    handler_func(fd_obj, events)
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-packages\tornado\stack_context.py",
line 277, in null_wrapper
    return fn(*args, **kwargs)
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\zmq\eventloop\zmqstream.py", line 440, in _handle_events
    self._handle_recv()
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\zmq\eventloop\zmqstream.py", line 472, in _handle_recv
    self._run_callback(callback, msg)
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\zmq\eventloop\zmqstream.py", line 414, in _run_callback
    callback(*args, **kwargs)
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-packages\tornado\stack_context.py",
line 277, in null_wrapper
    return fn(*args, **kwargs)
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-packages\ipykernel\kernelbase.py",
```

```
line 283, in dispatcher
    return self.dispatch_shell(stream, msg)
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-packages\ipykernel\kernelbase.py",
line 235, in dispatch_shell
    handler(stream, idents, msg)
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-packages\ipykernel\kernelbase.py",
line 399, in execute_request
    user_expressions, allow_stdin)
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-packages\ipykernel\ipkernel.py",
line 196, in do_execute
    res = shell.run_cell(code, store_history=store_history, silent=silent)
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-packages\ipykernel\zmqshell.py",
line 533, in run_cell
    return super(ZMQInteractiveShell, self).run_cell(*args, **kwargs)
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\IPython\core\interactiveshell.py", line 2717, in run_cell
    interactivity=interactivity, compiler=compiler, result=result)
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\IPython\core\interactiveshell.py", line 2827, in run_ast_nodes
    if self.run_code(code, result):
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\IPython\core\interactiveshell.py", line 2881, in run_code
    exec(code_obj, self.user_global_ns, self.user_ns)
  File "<ipython-input-1-228ec60f16e1>", line 1, in <module>
    runfile('D:/thapa/Documents/Rowan/8th Semester/ML/Yolo-digit-detector-
master/train.py', wdir='D:/thapa/Documents/Rowan/8th Semester/ML/Yolo-digit-detector-
master')
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\spyder\utils\site\sitecustomize.py", line 880, in runfile
    execfile(filename, namespace)
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\spyder\utils\site\sitecustomize.py", line 102, in execfile
    exec(compile(f.read(), filename, 'exec'), namespace)
  File "D:/thapa/Documents/Rowan/8th Semester/ML/Yolo-digit-detector-master/train.py",
line 59, in <module>
    config['model']['no_object_scale']])
  File "D:\thapa\Documents\Rowan\8th Semester\ML\Yolo-digit-detector-
master\yolo\frontend.py", line 35, in create_yolo
    yolo_network = create_yolo_network(architecture, input_size, n_classes, n_boxes)
  File "D:\thapa\Documents\Rowan\8th Semester\ML\Yolo-digit-detector-
master\yolo\backend\network.py", line 15, in create_yolo_network
    feature_extractor = create_feature_extractor(architecture, input_size)
  File "D:\thapa\Documents\Rowan\8th Semester\ML\Yolo-digit-detector-
master\yolo\backend\utils\feature.py", line 35, in create_feature_extractor
    feature_extractor = ResNet50Feature(input_size, weights)
  File "D:\thapa\Documents\Rowan\8th Semester\ML\Yolo-digit-detector-
master\yolo\backend\utils\feature.py", line 362, in __init__
    resnet50 = ResNet50(input_shape=(input_size, input_size, 3), include_top=False)
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\keras\applications\resnet50.py", line 207, in ResNet50
    64, (7, 7), strides=(2, 2), padding='same', name='conv1')(img_input)
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-packages\keras\engine\topology.py",
line 603, in __call__
    output = self.call(inputs, **kwargs)
```

```
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\keras\layers\convolutional.py", line 164, in call
    dilation_rate=self.dilation_rate)
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\keras\backend\tensorflow_backend.py", line 3189, in conv2d
    data_format=tf_data_format)
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\tensorflow\python\ops\nn_ops.py", line 780, in convolution
    return op(input, filter)
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\tensorflow\python\ops\nn_ops.py", line 868, in __call__
    return self.conv_op(inp, filter)
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\tensorflow\python\ops\nn_ops.py", line 520, in __call__
    return self.call(inp, filter)
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\tensorflow\python\ops\nn_ops.py", line 204, in __call__
    name=self.name)
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\tensorflow\python\ops\gen_nn_ops.py", line 1044, in conv2d
    data_format=data_format, dilations=dilations, name=name)
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\tensorflow\python\framework\op_def_library.py", line 787, in _apply_op_helper
    op_def=op_def)
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\tensorflow\python\util\deprecation.py", line 488, in new_func
    return func(*args, **kwargs)
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\tensorflow\python\framework\ops.py", line 3274, in create_op
    op_def=op_def)
  File "D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\tensorflow\python\framework\ops.py", line 1770, in __init__
    self._traceback = tf_stack.extract_stack()

UnknownError (see above for traceback): Failed to get convolution algorithm. This is
probably because cuDNN failed to initialize, so try looking to see if a warning log
message was printed above.
     [[node conv1/convolution (defined at D:\thapa\Python\Python1\envs\yolo\lib\site-
packages\keras\backend\tensorflow_backend.py:3189)  = Conv2D[T=DT_FLOAT,
_class=["loc:@training/Adam/gradients/conv1/convolution_grad/Conv2DBackpropFilter"],
data_format="NCHW", dilations=[1, 1, 1, 1], padding="SAME", strides=[1, 1, 2, 2],
use_cudnn_on_gpu=true, _device="/job:localhost/replica:0/task:0/device:GPU:0"]
(training/Adam/gradients/conv1/convolution_grad/Conv2DBackpropFilter-0-
TransposeNHWCToNCHW-LayoutOptimizer, conv1/kernel/read)]]
     [[{{node
loss/reshape_1_loss/SparseSoftmaxCrossEntropyWithLogits/assert_equal/All/_3447}} =
_Recv[client_terminated=false,
recv_device="/job:localhost/replica:0/task:0/device:CPU:0",
send_device="/job:localhost/replica:0/task:0/device:GPU:0", send_device_incarnation=1,
tensor_name="edge_9921_..._equal/All", tensor_type=DT_BOOL,
_device="/job:localhost/replica:0/task:0/device:CPU:0"]()]]
```

In [2]: