

```
1 C:\Users\jdeag\Desktop\project\ArtificialIntel\BuildingIdentifier\venv\
Scripts\python.exe C:/Users/jdeag/Desktop/project/ArtificialIntel/
BuildingIdentifier/ImageAnnotation/KerasTunerDeagan.py
2 2021-09-30 14:21:24.338794: W tensorflow/stream_executor/platform/default
/dso_loader.cc:64] Could not load dynamic library 'cudart64_110.dll';
dlerror: cudart64_110.dll not found
3 2021-09-30 14:21:24.339606: I tensorflow/stream_executor/cuda/cudart_stub
.cc:29] Ignore above cudart dlerror if you do not have a GPU set up on
your machine.
4 THIS IS THE PROPER KERAS TUNER
  //////////////////////////////////////
  //////////////////////////////////////
  //////////////////////////////////////
5 2.6.0
6 Found 7811 files belonging to 6 classes.
7 Using 6249 files for training.
8 2021-09-30 14:21:59.489036: W tensorflow/stream_executor/platform/default
/dso_loader.cc:64] Could not load dynamic library 'cudart64_110.dll';
dlerror: cudart64_110.dll not found
9 2021-09-30 14:21:59.511810: W tensorflow/stream_executor/platform/default
/dso_loader.cc:64] Could not load dynamic library 'cublas64_11.dll';
dlerror: cublas64_11.dll not found
10 2021-09-30 14:21:59.513356: W tensorflow/stream_executor/platform/default
/dso_loader.cc:64] Could not load dynamic library 'cublasLt64_11.dll';
dlerror: cublasLt64_11.dll not found
11 2021-09-30 14:21:59.514901: W tensorflow/stream_executor/platform/default
/dso_loader.cc:64] Could not load dynamic library 'cufft64_10.dll';
dlerror: cufft64_10.dll not found
12 2021-09-30 14:21:59.516432: W tensorflow/stream_executor/platform/default
/dso_loader.cc:64] Could not load dynamic library 'curand64_10.dll';
dlerror: curand64_10.dll not found
13 2021-09-30 14:21:59.518042: W tensorflow/stream_executor/platform/default
/dso_loader.cc:64] Could not load dynamic library 'cusolver64_11.dll';
dlerror: cusolver64_11.dll not found
14 2021-09-30 14:21:59.519687: W tensorflow/stream_executor/platform/default
/dso_loader.cc:64] Could not load dynamic library 'cusparse64_11.dll';
dlerror: cusparse64_11.dll not found
15 2021-09-30 14:21:59.521223: W tensorflow/stream_executor/platform/default
/dso_loader.cc:64] Could not load dynamic library 'cudnn64_8.dll';
dlerror: cudnn64_8.dll not found
16 2021-09-30 14:21:59.521866: W tensorflow/core/common_runtime/gpu/
gpu_device.cc:1835] Cannot dlopen some GPU libraries. Please make sure
the missing libraries mentioned above are installed properly if you would
like to use GPU. Follow the guide at https://www.tensorflow.org/install/
gpu for how to download and setup the required libraries for your
platform.
17 Skipping registering GPU devices...
18 2021-09-30 14:21:59.523454: I tensorflow/core/platform/cpu_feature_guard.
cc:142] This TensorFlow binary is optimized with oneAPI Deep Neural
Network Library (oneDNN) to use the following CPU instructions in
performance-critical operations: AVX AVX2
19 To enable them in other operations, rebuild TensorFlow with the
appropriate compiler flags.
20 Found 7811 files belonging to 6 classes.
21 Using 1562 files for validation.
22 Found 864 files belonging to 6 classes.
23 Model: "sequential"
```

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24 -----
25 Layer (type)                Output Shape                Param #
26 =====
27 rescaling (Rescaling)       (None, 256, 256, 3)        0
28 -----
29 random_flip (RandomFlip)     (None, 256, 256, 3)        0
30 -----
31 random_rotation (RandomRotat (None, 256, 256, 3)        0
32 -----
33 conv2d (Conv2D)              (None, 254, 254, 32)       896
34 -----
35 max_pooling2d (MaxPooling2D) (None, 127, 127, 32)       0
36 -----
37 conv2d_1 (Conv2D)            (None, 125, 125, 64)       18496
38 -----
39 max_pooling2d_1 (MaxPooling2 (None, 62, 62, 64)        0
40 -----
41 conv2d_2 (Conv2D)            (None, 60, 60, 128)       73856
42 -----
43 max_pooling2d_2 (MaxPooling2 (None, 30, 30, 128)       0
44 -----
45 flatten (Flatten)           (None, 115200)             0
46 -----
47 dense (Dense)                (None, 128)                14745728
48 -----
49 dense_1 (Dense)              (None, 6)                  774
50 =====
51 Total params: 14,839,750
52 Trainable params: 14,839,750
53 Non-trainable params: 0
54 -----
55 Epoch 1/10
56 C:\Users\jdeag\Desktop\project\ArtificialIntel\BuildingIdentifier\venv\
lib\site-packages\keras\backend.py:4906: UserWarning: "`
sparse_categorical_crossentropy` received `from_logits=True`, but the `
output` argument was produced by a sigmoid or softmax activation and thus
does not represent logits. Was this intended?"
57 warnings.warn(
58 2021-09-30 14:22:00.674107: I tensorflow/compiler/mlir/
mlir_graph_optimization_pass.cc:185] None of the MLIR Optimization Passes
are enabled (registered 2)
59 1/196 [.....] - ETA: 9:37 - loss: 1.8042 -
accuracy: 0.03122021-09-30 14:22:03.272480: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
60 4/196 [.....] - ETA: 5:07 - loss: 3.7898 -
accuracy: 0.18752021-09-30 14:22:07.989995: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
61 5/196 [.....] - ETA: 5:06 - loss: 3.3214 -
accuracy: 0.20622021-09-30 14:22:09.621512: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
62 13/196 [>.....] - ETA: 4:53 - loss: 2.1469 -
accuracy: 0.33892021-09-30 14:22:22.497202: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
63 46/196 [=====>.....] - ETA: 3:59 - loss: 1.5999 -
accuracy: 0.41372021-09-30 14:23:14.922056: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
64 2021-09-30 14:23:14.979180: W tensorflow/core/lib/png/png_io.cc:88] PNG
```

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64 warning: iCCP: known incorrect sRGB profile
65 56/196 [=====>.....] - ETA: 3:43 - loss: 1.5530 -
  accuracy: 0.42352021-09-30 14:23:30.907326: W tensorflow/core/lib/png/
  png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
66 58/196 [=====>.....] - ETA: 3:40 - loss: 1.5433 -
  accuracy: 0.42302021-09-30 14:23:34.183170: W tensorflow/core/lib/png/
  png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
67 60/196 [=====>.....] - ETA: 3:37 - loss: 1.5382 -
  accuracy: 0.42452021-09-30 14:23:37.277524: W tensorflow/core/lib/png/
  png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
68 65/196 [=====>.....] - ETA: 3:29 - loss: 1.5224 -
  accuracy: 0.42402021-09-30 14:23:45.252698: W tensorflow/core/lib/png/
  png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
69 73/196 [=====>.....] - ETA: 3:16 - loss: 1.5016 -
  accuracy: 0.42422021-09-30 14:23:58.153403: W tensorflow/core/lib/png/
  png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
70 76/196 [=====>.....] - ETA: 3:11 - loss: 1.4942 -
  accuracy: 0.42602021-09-30 14:24:03.040078: W tensorflow/core/lib/png/
  png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
71 82/196 [=====>.....] - ETA: 3:02 - loss: 1.4836 -
  accuracy: 0.42612021-09-30 14:24:12.699186: W tensorflow/core/lib/png/
  png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
72 87/196 [=====>.....] - ETA: 2:54 - loss: 1.4764 -
  accuracy: 0.42212021-09-30 14:24:20.754857: W tensorflow/core/lib/png/
  png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
73 92/196 [=====>.....] - ETA: 2:46 - loss: 1.4699 -
  accuracy: 0.42052021-09-30 14:24:28.975918: W tensorflow/core/lib/png/
  png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
74 96/196 [=====>.....] - ETA: 2:40 - loss: 1.4658 -
  accuracy: 0.42322021-09-30 14:24:35.442142: W tensorflow/core/lib/png/
  png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
75 108/196 [=====>.....] - ETA: 2:21 - loss: 1.4526 -
  accuracy: 0.43262021-09-30 14:24:56.256786: W tensorflow/core/lib/png/
  png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
76 117/196 [=====>.....] - ETA: 2:06 - loss: 1.4457 -
  accuracy: 0.43352021-09-30 14:25:09.188916: W tensorflow/core/lib/png/
  png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
77 119/196 [=====>.....] - ETA: 2:03 - loss: 1.4457 -
  accuracy: 0.43222021-09-30 14:25:12.404527: W tensorflow/core/lib/png/
  png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
78 122/196 [=====>.....] - ETA: 1:58 - loss: 1.4413 -
  accuracy: 0.43422021-09-30 14:25:17.366743: W tensorflow/core/lib/png/
  png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
79 2021-09-30 14:25:17.551401: W tensorflow/core/lib/png/png_io.cc:88] PNG
  warning: iCCP: known incorrect sRGB profile
80 126/196 [=====>.....] - ETA: 1:52 - loss: 1.4352 -
  accuracy: 0.43632021-09-30 14:25:24.275089: W tensorflow/core/lib/png/
  png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
81 129/196 [=====>.....] - ETA: 1:47 - loss: 1.4342 -
  accuracy: 0.43752021-09-30 14:25:29.186821: W tensorflow/core/lib/png/
  png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
82 130/196 [=====>.....] - ETA: 1:46 - loss: 1.4372 -
  accuracy: 0.43652021-09-30 14:25:30.775768: W tensorflow/core/lib/png/
  png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
83 133/196 [=====>.....] - ETA: 1:41 - loss: 1.4334 -
  accuracy: 0.43822021-09-30 14:25:36.211051: W tensorflow/core/lib/png/
  png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
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84 134/196 [=====>.....] - ETA: 1:40 - loss: 1.4333 -  
    accuracy: 0.43842021-09-30 14:25:38.444723: W tensorflow/core/lib/png/  
    png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile  
85 2021-09-30 14:25:38.445247: W tensorflow/core/lib/png/png_io.cc:88] PNG  
    warning: iCCP: known incorrect sRGB profile  
86 153/196 [=====>.....] - ETA: 1:09 - loss: 1.4197 -  
    accuracy: 0.44302021-09-30 14:26:09.636478: W tensorflow/core/lib/png/  
    png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile  
87 165/196 [=====>.....] - ETA: 50s - loss: 1.4172 -  
    accuracy: 0.43832021-09-30 14:26:29.068754: W tensorflow/core/lib/png/  
    png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile  
88 171/196 [=====>....] - ETA: 40s - loss: 1.4112 -  
    accuracy: 0.44132021-09-30 14:26:38.824294: W tensorflow/core/lib/png/  
    png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile  
89 173/196 [=====>....] - ETA: 37s - loss: 1.4104 -  
    accuracy: 0.44152021-09-30 14:26:41.955401: W tensorflow/core/lib/png/  
    png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile  
90 196/196 [=====] - ETA: 0s - loss: 1.4011 -  
    accuracy: 0.44122021-09-30 14:27:32.367692: W tensorflow/core/lib/png/  
    png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile  
91 2021-09-30 14:27:32.662987: W tensorflow/core/lib/png/png_io.cc:88] PNG  
    warning: iCCP: known incorrect sRGB profile  
92 2021-09-30 14:27:33.160231: W tensorflow/core/lib/png/png_io.cc:88] PNG  
    warning: iCCP: known incorrect sRGB profile  
93 2021-09-30 14:27:41.132368: W tensorflow/core/lib/png/png_io.cc:88] PNG  
    warning: iCCP: known incorrect sRGB profile  
94 2021-09-30 14:27:41.507876: W tensorflow/core/lib/png/png_io.cc:88] PNG  
    warning: iCCP: known incorrect sRGB profile  
95 2021-09-30 14:27:45.986638: W tensorflow/core/lib/png/png_io.cc:88] PNG  
    warning: iCCP: known incorrect sRGB profile  
96 196/196 [=====] - 351s 2s/step - loss: 1.4011  
    - accuracy: 0.4412 - val_loss: 1.3006 - val_accuracy: 0.4827  
97 Epoch 2/10  
98 196/196 [=====] - 493s 3s/step - loss: 1.3215  
    - accuracy: 0.4638 - val_loss: 1.2695 - val_accuracy: 0.5077  
99 Epoch 3/10  
100 196/196 [=====] - 480s 2s/step - loss: 1.2967  
    - accuracy: 0.4737 - val_loss: 1.2867 - val_accuracy: 0.4609  
101 Epoch 4/10  
102 196/196 [=====] - 485s 2s/step - loss: 1.2849  
    - accuracy: 0.4764 - val_loss: 1.2664 - val_accuracy: 0.5019  
103 Epoch 5/10  
104 196/196 [=====] - 861s 4s/step - loss: 1.2756  
    - accuracy: 0.4793 - val_loss: 1.2646 - val_accuracy: 0.5006  
105 Epoch 6/10  
106 196/196 [=====] - 613s 3s/step - loss: 1.2698  
    - accuracy: 0.4742 - val_loss: 1.2470 - val_accuracy: 0.5134  
107 Epoch 7/10  
108 196/196 [=====] - 537s 3s/step - loss: 1.2589  
    - accuracy: 0.4838 - val_loss: 1.2335 - val_accuracy: 0.5141  
109 Epoch 8/10  
110 196/196 [=====] - 511s 3s/step - loss: 1.2514  
    - accuracy: 0.4908 - val_loss: 1.2371 - val_accuracy: 0.5083  
111 Epoch 9/10  
112 196/196 [=====] - 497s 3s/step - loss: 1.2447  
    - accuracy: 0.4905 - val_loss: 1.2283 - val_accuracy: 0.5102  
113 Epoch 10/10
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114 196/196 [=====] - 509s 3s/step - loss: 1.2455
    - accuracy: 0.4905 - val_loss: 1.2356 - val_accuracy: 0.5058
115 2021-09-30 15:51:29.382176: W tensorflow/core/lib/png/png_io.cc:88] PNG
warning: iCCP: known incorrect sRGB profile
116 3/27 [==>.....] - ETA: 25s - loss: 1.1862 -
accuracy: 0.59382021-09-30 15:51:34.208363: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
117 10/27 [=====>.....] - ETA: 17s - loss: 1.2336 -
accuracy: 0.54372021-09-30 15:51:41.379521: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
118 2021-09-30 15:51:41.782270: W tensorflow/core/lib/png/png_io.cc:88] PNG
warning: iCCP: profile 'ICC Profile': 'desc': ICC profile tag start not
a multiple of 4
119 2021-09-30 15:51:41.782452: W tensorflow/core/lib/png/png_io.cc:88] PNG
warning: iCCP: profile 'ICC Profile': 'wtpt': ICC profile tag start not
a multiple of 4
120 2021-09-30 15:51:41.868366: W tensorflow/core/lib/png/png_io.cc:88] PNG
warning: iCCP: profile 'ICC Profile': 'bkpt': ICC profile tag start not
a multiple of 4
121 2021-09-30 15:51:41.907862: W tensorflow/core/lib/png/png_io.cc:88] PNG
warning: iCCP: profile 'ICC Profile': 'rXYZ': ICC profile tag start not
a multiple of 4
122 2021-09-30 15:51:41.909067: W tensorflow/core/lib/png/png_io.cc:88] PNG
warning: iCCP: profile 'ICC Profile': 'gXYZ': ICC profile tag start not
a multiple of 4
123 2021-09-30 15:51:41.910051: W tensorflow/core/lib/png/png_io.cc:88] PNG
warning: iCCP: profile 'ICC Profile': 'bXYZ': ICC profile tag start not
a multiple of 4
124 2021-09-30 15:51:41.910998: W tensorflow/core/lib/png/png_io.cc:88] PNG
warning: iCCP: profile 'ICC Profile': 'dmnd': ICC profile tag start not
a multiple of 4
125 2021-09-30 15:51:41.911937: W tensorflow/core/lib/png/png_io.cc:88] PNG
warning: iCCP: profile 'ICC Profile': 'dmdd': ICC profile tag start not
a multiple of 4
126 2021-09-30 15:51:41.912985: W tensorflow/core/lib/png/png_io.cc:88] PNG
warning: iCCP: profile 'ICC Profile': 'vued': ICC profile tag start not
a multiple of 4
127 2021-09-30 15:51:41.913925: W tensorflow/core/lib/png/png_io.cc:88] PNG
warning: iCCP: profile 'ICC Profile': 'view': ICC profile tag start not
a multiple of 4
128 2021-09-30 15:51:41.914853: W tensorflow/core/lib/png/png_io.cc:88] PNG
warning: iCCP: profile 'ICC Profile': 'lumi': ICC profile tag start not
a multiple of 4
129 2021-09-30 15:51:41.915882: W tensorflow/core/lib/png/png_io.cc:88] PNG
warning: iCCP: profile 'ICC Profile': 'meas': ICC profile tag start not
a multiple of 4
130 2021-09-30 15:51:41.916830: W tensorflow/core/lib/png/png_io.cc:88] PNG
warning: iCCP: profile 'ICC Profile': 'tech': ICC profile tag start not
a multiple of 4
131 2021-09-30 15:51:41.917777: W tensorflow/core/lib/png/png_io.cc:88] PNG
warning: iCCP: profile 'ICC Profile': 'rTRC': ICC profile tag start not
a multiple of 4
132 2021-09-30 15:51:41.918835: W tensorflow/core/lib/png/png_io.cc:88] PNG
warning: iCCP: profile 'ICC Profile': 'gTRC': ICC profile tag start not
a multiple of 4
133 2021-09-30 15:51:41.919798: W tensorflow/core/lib/png/png_io.cc:88] PNG
warning: iCCP: profile 'ICC Profile': 'bTRC': ICC profile tag start not
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133 a multiple of 4
134 2021-09-30 15:51:41.938164: W tensorflow/core/lib/png/png_io.cc:88] PNG
warning: iCCP: known incorrect sRGB profile
135 17/27 [=====>.....] - ETA: 10s - loss: 1.2528 -
accuracy: 0.53492021-09-30 15:51:48.666560: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
136 27/27 [=====] - 32s 793ms/step - loss: 1.2624
- accuracy: 0.5312
137 Accuracy: 0.53125
138 Loss: 1.2624266147613525
139 end
140
141 Process finished with exit code 0
142
```