

```
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 12:44:49.635203: 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 12:44:49.635439: 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 12:45:13.122641: 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 12:45:13.123713: 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 12:45:13.139492: 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 12:45:13.159451: 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 12:45:13.160829: 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 12:45:13.162191: 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 12:45:13.163501: 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 12:45:13.164811: 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 12:45:13.165869: 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 12:45:13.167455: 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, 128)                16512
50 -----
51 dense_2 (Dense)              (None, 6)                  774
52 =====
53 Total params: 14,856,262
54 Trainable params: 14,856,262
55 Non-trainable params: 0
56 -----
57 Epoch 1/10
58 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?"
59 warnings.warn(
60 2021-09-30 12:45:14.274018: I tensorflow/compiler/mlir/
mlir_graph_optimization_pass.cc:185] None of the MLIR Optimization Passes
are enabled (registered 2)
61 1/196 [.....] - ETA: 11:40 - loss: 1.8038 -
accuracy: 0.06252021-09-30 12:45:17.494809: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
62 4/196 [.....] - ETA: 5:05 - loss: 2.8515 -
accuracy: 0.28122021-09-30 12:45:22.271388: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
63 5/196 [.....] - ETA: 5:04 - loss: 2.5890 -
accuracy: 0.31872021-09-30 12:45:23.863536: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
64 13/196 [>.....] - ETA: 4:52 - loss: 1.8827 -
accuracy: 0.38462021-09-30 12:45:36.777636: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
65 46/196 [=====>.....] - ETA: 3:59 - loss: 1.5242 -
accuracy: 0.42872021-09-30 12:46:29.227244: W tensorflow/core/lib/png/
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65 png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
66 2021-09-30 12:46:29.334092: W tensorflow/core/lib/png/png_io.cc:88] PNG
warning: iCCP: known incorrect sRGB profile
67 56/196 [=====>.....] - ETA: 3:43 - loss: 1.4877 -
accuracy: 0.43642021-09-30 12:46:45.345823: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
68 58/196 [=====>.....] - ETA: 3:40 - loss: 1.4813 -
accuracy: 0.43532021-09-30 12:46:48.584457: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
69 60/196 [=====>.....] - ETA: 3:37 - loss: 1.4783 -
accuracy: 0.43592021-09-30 12:46:51.596592: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
70 65/196 [=====>.....] - ETA: 3:29 - loss: 1.4662 -
accuracy: 0.43462021-09-30 12:46:59.738638: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
71 73/196 [=====>.....] - ETA: 3:16 - loss: 1.4531 -
accuracy: 0.43282021-09-30 12:47:12.572697: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
72 76/196 [=====>.....] - ETA: 3:11 - loss: 1.4484 -
accuracy: 0.43382021-09-30 12:47:17.389424: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
73 82/196 [=====>.....] - ETA: 3:02 - loss: 1.4406 -
accuracy: 0.43332021-09-30 12:47:27.016015: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
74 87/196 [=====>.....] - ETA: 2:54 - loss: 1.4360 -
accuracy: 0.43072021-09-30 12:47:35.113906: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
75 92/196 [=====>.....] - ETA: 2:46 - loss: 1.4312 -
accuracy: 0.42762021-09-30 12:47:43.219862: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
76 96/196 [=====>.....] - ETA: 2:40 - loss: 1.4282 -
accuracy: 0.43002021-09-30 12:47:49.609374: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
77 109/196 [=====>.....] - ETA: 2:19 - loss: 1.4152 -
accuracy: 0.43922021-09-30 12:48:10.498422: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
78 117/196 [=====>.....] - ETA: 2:06 - loss: 1.4112 -
accuracy: 0.43862021-09-30 12:48:23.416543: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
79 119/196 [=====>.....] - ETA: 2:03 - loss: 1.4117 -
accuracy: 0.43512021-09-30 12:48:26.566560: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
80 122/196 [=====>.....] - ETA: 1:58 - loss: 1.4083 -
accuracy: 0.43702021-09-30 12:48:31.553642: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
81 2021-09-30 12:48:31.676677: W tensorflow/core/lib/png/png_io.cc:88] PNG
warning: iCCP: known incorrect sRGB profile
82 127/196 [=====>.....] - ETA: 1:50 - loss: 1.4026 -
accuracy: 0.44002021-09-30 12:48:39.689919: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
83 130/196 [=====>.....] - ETA: 1:45 - loss: 1.4073 -
accuracy: 0.43942021-09-30 12:48:44.461190: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
84 131/196 [=====>.....] - ETA: 1:44 - loss: 1.4046 -
accuracy: 0.44082021-09-30 12:48:46.039412: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
85 134/196 [=====>.....] - ETA: 1:39 - loss: 1.4029 -
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85 accuracy: 0.44122021-09-30 12:48:50.917446: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
86 135/196 [=====>.....] - ETA: 1:37 - loss: 1.4019 -
accuracy: 0.44142021-09-30 12:48:52.972409: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
87 2021-09-30 12:48:52.975413: W tensorflow/core/lib/png/png_io.cc:88] PNG
warning: iCCP: known incorrect sRGB profile
88 154/196 [=====>.....] - ETA: 1:07 - loss: 1.3904 -
accuracy: 0.44642021-09-30 12:49:24.328983: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
89 166/196 [=====>.....] - ETA: 48s - loss: 1.3890 -
accuracy: 0.44472021-09-30 12:49:44.163094: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
90 172/196 [=====>....] - ETA: 38s - loss: 1.3850 -
accuracy: 0.44732021-09-30 12:49:53.816611: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
91 174/196 [=====>....] - ETA: 35s - loss: 1.3836 -
accuracy: 0.44772021-09-30 12:49:56.958917: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
92 196/196 [=====] - ETA: 0s - loss: 1.3770 -
accuracy: 0.44892021-09-30 12:50:38.901057: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
93 2021-09-30 12:50:39.109945: W tensorflow/core/lib/png/png_io.cc:88] PNG
warning: iCCP: known incorrect sRGB profile
94 2021-09-30 12:50:39.695510: W tensorflow/core/lib/png/png_io.cc:88] PNG
warning: iCCP: known incorrect sRGB profile
95 2021-09-30 12:50:47.585323: W tensorflow/core/lib/png/png_io.cc:88] PNG
warning: iCCP: known incorrect sRGB profile
96 2021-09-30 12:50:47.696748: W tensorflow/core/lib/png/png_io.cc:88] PNG
warning: iCCP: known incorrect sRGB profile
97 2021-09-30 12:50:51.990020: W tensorflow/core/lib/png/png_io.cc:88] PNG
warning: iCCP: known incorrect sRGB profile
98 196/196 [=====] - 343s 2s/step - loss: 1.3770
- accuracy: 0.4489 - val_loss: 1.3072 - val_accuracy: 0.4808
99 Epoch 2/10
100 196/196 [=====] - 547s 3s/step - loss: 1.3144
- accuracy: 0.4674 - val_loss: 1.3012 - val_accuracy: 0.4795
101 Epoch 3/10
102 196/196 [=====] - 480s 2s/step - loss: 1.2961
- accuracy: 0.4722 - val_loss: 1.2924 - val_accuracy: 0.4795
103 Epoch 4/10
104 196/196 [=====] - 470s 2s/step - loss: 1.2874
- accuracy: 0.4751 - val_loss: 1.2825 - val_accuracy: 0.4949
105 Epoch 5/10
106 196/196 [=====] - 481s 2s/step - loss: 1.2769
- accuracy: 0.4855 - val_loss: 1.2579 - val_accuracy: 0.5070
107 Epoch 6/10
108 196/196 [=====] - 604s 3s/step - loss: 1.2694
- accuracy: 0.4879 - val_loss: 1.2388 - val_accuracy: 0.5083
109 Epoch 7/10
110 196/196 [=====] - 610s 3s/step - loss: 1.2689
- accuracy: 0.4838 - val_loss: 1.2309 - val_accuracy: 0.5147
111 Epoch 8/10
112 196/196 [=====] - 542s 3s/step - loss: 1.2586
- accuracy: 0.4881 - val_loss: 1.2296 - val_accuracy: 0.5115
113 Epoch 9/10
114 196/196 [=====] - 528s 3s/step - loss: 1.2557
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114 - accuracy: 0.4822 - val_loss: 1.2330 - val_accuracy: 0.5134
115 Epoch 10/10
116 196/196 [=====] - 556s 3s/step - loss: 1.2487
    - accuracy: 0.4889 - val_loss: 1.2215 - val_accuracy: 0.5141
117 2021-09-30 14:11:47.817529: I tensorflow/core/kernels/data/
    shuffle_dataset_op.cc:175] Filling up shuffle buffer (this may take a
    while): 128 of 256
118 2021-09-30 14:11:50.723441: W tensorflow/core/lib/png/png_io.cc:88] PNG
    warning: iCCP: known incorrect sRGB profile
119 2021-09-30 14:11:53.923464: I tensorflow/core/kernels/data/
    shuffle_dataset_op.cc:228] Shuffle buffer filled.
120 2/27 [=>.....] - ETA: 2:58 - loss: 1.2414 -
    accuracy: 0.59382021-09-30 14:12:02.704751: W tensorflow/core/lib/png/
    png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
121 10/27 [=====>.....] - ETA: 34s - loss: 1.2559 -
    accuracy: 0.54062021-09-30 14:12:13.035239: W tensorflow/core/lib/png/
    png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
122 2021-09-30 14:12:13.374217: W tensorflow/core/lib/png/png_io.cc:88] PNG
    warning: iCCP: known incorrect sRGB profile
123 2021-09-30 14:12:13.471475: 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
124 2021-09-30 14:12:13.471712: 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
125 2021-09-30 14:12:13.552215: 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
126 2021-09-30 14:12:13.552558: 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
127 2021-09-30 14:12:13.652918: 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
128 2021-09-30 14:12:13.799087: 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
129 2021-09-30 14:12:13.800278: 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
130 2021-09-30 14:12:13.801286: 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
131 2021-09-30 14:12:13.802299: 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
132 2021-09-30 14:12:13.803310: 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
133 2021-09-30 14:12:13.804110: 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
134 2021-09-30 14:12:13.804335: 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
135 2021-09-30 14:12:13.804560: W tensorflow/core/lib/png/png_io.cc:88] PNG
    warning: iCCP: profile 'ICC Profile': 'tech': ICC profile tag start not
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135 a multiple of 4
136 2021-09-30 14:12:13.804784: 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
137 2021-09-30 14:12:13.805009: 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
138 2021-09-30 14:12:13.805301: W tensorflow/core/lib/png/png_io.cc:88] PNG
warning: iCCP: profile 'ICC Profile': 'bTRC': ICC profile tag start not
a multiple of 4
139 17/27 [=====>.....] - ETA: 19s - loss: 1.2668 -
accuracy: 0.52212021-09-30 14:12:28.793130: W tensorflow/core/lib/png/
png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
140 27/27 [=====] - 60s 2s/step - loss: 1.2661 -
accuracy: 0.5266
141 Accuracy: 0.5266203880310059
142 Loss: 1.2660516500473022
143 end
144
145 Process finished with exit code 0
146
```