- 1 C:\Users\jdeag\Desktop\project\ArtificialIntel\BuildingIdentifier\venv\
 Scripts\python.exe C:/Users/jdeag/Desktop/project/ArtificialIntel/
 BuildingIdentifier/ImageAnnotation/KerasTunerDeagan.py
- 2 2021-10-06 08:19:39.386333: 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 2021-10-06 08:19:39.386917: 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.
- 5 2.6.0
- 6 Found 7811 files belonging to 6 classes.
- 7 Using 6249 files for training.
- 8 2021-10-06 08:20:11.504781: 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 2021-10-06 08:20:11.505752: 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 2021-10-06 08:20:11.506713: 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 2021-10-06 08:20:11.507669: 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 2021-10-06 08:20:11.508618: 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 2021-10-06 08:20:11.509646: 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 2021-10-06 08:20:11.510627: 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 2021-10-06 08:20:11.511597: 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 2021-10-06 08:20:11.511787: 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 2021-10-06 08:20:11.514569: 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"

r	(erasTunerDeagan				
242526	 Layer (type) =============	Output	 Shape 	 Param # =======	
	rescaling (Rescaling)	(None,	256, 256, 3)	0	
	random_flip (RandomFlip)	(None,	256, 256, 3)	0	
	random_rotation (RandomRotat				
	conv2d (Conv2D)	(None,	254, 254, 32)	896	
35	<pre>max_pooling2d (MaxPooling2D)</pre>	(None,	127, 127, 32)		
	conv2d_1 (Conv2D)	(None,	125, 125, 64) 	18496	
39 40	max_pooling2d_1 (MaxPooling2		62, 62, 64)	0	
	conv2d_2 (Conv2D)	(None,	60, 60, 128) 	73856	
44	<pre>max_pooling2d_2 (MaxPooling2</pre>				
45 46	flatten (Flatten)				
	dense (Dense)	(None,	256)	29491456	
49 50	dense_1 (Dense)	(None,	128)	32896	
51 52	dense_2 (Dense)	(None,	6) 		
54	Total params: 29,618,374 Trainable params: 29,618,374 Non-trainable params: 0				
57	Epoch 1/20 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?" warnings.warn(
	2021-10-06 08:20:12.955856: I tensorflow/compiler/mlir/mlir_graph_optimization_pass.cc:185] None of the MLIR Optimization Passes are enabled (registered 2)				
61	2021-10-06 08:20:13.982038: W cpu_allocator_impl.cc:80] All system memory.				
62 63	2021-10-06 08:20:15.232806: W tensorflow/core/framework/ cpu_allocator_impl.cc:80] Allocation of 264257536 exceeds 10% of free system memory. 1/196 [] - ETA: 10:38 - loss: 1.7997 -				
03	accuracy: 0.03122021-10-06 08:20:15.830547: W tensorflow/core/framework/cpu_allocator_impl.cc:80] Allocation of 264257536 exceeds 10% of free system memory.				
64	2021-10-06 08:20:15.874471: W tensorflow/core/lib/png/png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile				
65	2021-10-06 08:20:16.992314: W tensorflow/core/framework/cpu_allocator_impl.cc:80] Allocation of 264257536 exceeds 10% of free				
	Page 2 of 7				

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84 png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
85 122/196 [============>....] - ETA: 2:10 - loss: 1.4516 -
   accuracy: 0.43832021-10-06 08:23:49.797874: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
86 2021-10-06 08:23:49.875499: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
87 127/196 [============>....] - ETA: 2:01 - loss: 1.4436 -
   accuracy: 0.44142021-10-06 08:23:58.488793: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
88 130/196 [============>.....] - ETA: 1:56 - loss: 1.4463 -
   accuracy: 0.44062021-10-06 08:24:03.648321: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
89 131/196 [=============>....] - ETA: 1:54 - loss: 1.4433 -
   accuracy: 0.44202021-10-06 08:24:05.517636: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
90 134/196 [=============>.....] - ETA: 1:49 - loss: 1.4414 -
   accuracy: 0.44222021-10-06 08:24:10.886667: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
91 135/196 [==============>.....] - ETA: 1:47 - loss: 1.4398 -
   accuracy: 0.44242021-10-06 08:24:12.876160: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
92 2021-10-06 08:24:12.876498: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
accuracy: 0.44782021-10-06 08:24:46.077813: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
accuracy: 0.44522021-10-06 08:25:08.286427: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
accuracy: 0.44772021-10-06 08:25:19.501969: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
accuracy: 0.44812021-10-06 08:25:23.090401: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
accuracy: 0.45052021-10-06 08:26:18.319012: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
98 2021-10-06 08:26:18.459463: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
99 2021-10-06 08:26:19.112727: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
100 2021-10-06 08:26:28.926067: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
101 2021-10-06 08:26:29.267420: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
102 2021-10-06 08:26:34.938301: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
- accuracy: 0.4505 - val_loss: 1.2839 - val_accuracy: 0.4917
104 Epoch 2/20
- accuracy: 0.4639 - val_loss: 1.3512 - val_accuracy: 0.3451
- accuracy: 0.4738 - val_loss: 1.2796 - val_accuracy: 0.4987
108 Epoch 4/20
```

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File - KerasTunerDeagan
- accuracy: 0.4793 - val_loss: 1.2307 - val_accuracy: 0.5077
110 Epoch 5/20
- accuracy: 0.4817 - val_loss: 1.2373 - val_accuracy: 0.4994
112 Epoch 6/20
- accuracy: 0.4908 - val_loss: 1.2395 - val_accuracy: 0.5070
114 Epoch 7/20
- accuracy: 0.4874 - val_loss: 1.2318 - val_accuracy: 0.5006
116 Epoch 8/20
- accuracy: 0.4871 - val_loss: 1.2253 - val_accuracy: 0.5058
118 Epoch 9/20
- accuracy: 0.4914 - val_loss: 1.2514 - val_accuracy: 0.4949
120 Epoch 10/20
- accuracy: 0.4895 - val_loss: 1.2217 - val_accuracy: 0.5141
122 Epoch 11/20
- accuracy: 0.4942 - val_loss: 1.2250 - val_accuracy: 0.5006
124 Epoch 12/20
- accuracy: 0.4940 - val_loss: 1.2145 - val_accuracy: 0.5134
126 Epoch 13/20
- accuracy: 0.5028 - val_loss: 1.1989 - val_accuracy: 0.5250
128 Epoch 14/20
- accuracy: 0.5042 - val_loss: 1.1973 - val_accuracy: 0.5243
130 Epoch 15/20
- accuracy: 0.5092 - val_loss: 1.2273 - val_accuracy: 0.5051
132 Epoch 16/20
- accuracy: 0.5022 - val_loss: 1.1914 - val_accuracy: 0.5230
134 Epoch 17/20
- accuracy: 0.5097 - val_loss: 1.2055 - val_accuracy: 0.5166
136 Epoch 18/20
- accuracy: 0.5110 - val_loss: 1.2022 - val_accuracy: 0.5230
138 Epoch 19/20
- accuracy: 0.5130 - val_loss: 1.1960 - val_accuracy: 0.5218
140 Epoch 20/20
- accuracy: 0.5183 - val_loss: 1.2081 - val_accuracy: 0.5256
142 2021-10-06 11:14:54.845810: I tensorflow/core/kernels/data/
  shuffle_dataset_op.cc:175] Filling up shuffle buffer (this may take a
  while): 1 of 256
143 2021-10-06 11:14:59.253244: I tensorflow/core/kernels/data/
  shuffle_dataset_op.cc:175] Filling up shuffle buffer (this may take a
  while): 15 of 256
144 2021-10-06 11:15:08.811467: I tensorflow/core/kernels/data/
```

- 144 shuffle_dataset_op.cc:175] Filling up shuffle buffer (this may take a while): 62 of 256
- 145 2021-10-06 11:15:18.171501: I tensorflow/core/kernels/data/ shuffle_dataset_op.cc:175] Filling up shuffle buffer (this may take a while): 132 of 256
- 146 2021-10-06 11:15:25.690305: W tensorflow/core/lib/png/png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
- 147 2021-10-06 11:15:28.466932: I tensorflow/core/kernels/data/ shuffle_dataset_op.cc:175] Filling up shuffle buffer (this may take a while): 216 of 256
- 148 2021-10-06 11:15:32.151587: I tensorflow/core/kernels/data/ shuffle_dataset_op.cc:228] Shuffle buffer filled. 149 3/27 [==>.............] - ETA: 1:36 - loss: 1.2445 -
- accuracy: 0.57292021-10-06 11:15:48.490476: W tensorflow/core/lib/png/png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
 150 9/27 [========>.....] ETA: 57s loss: 1.2697 -
- accuracy: 0.5382 2021-10-06 11:16:06.622106: W tensorflow/core/lib/png/png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
 151 10/27 [=========>.....] ETA: 49s loss: 1.2633 -
- accuracy: 0.54692021-10-06 11:16:07.219760: 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
- 152 2021-10-06 11:16:07.255216: 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
- 153 2021-10-06 11:16:07.256209: 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
- 154 2021-10-06 11:16:07.411838: 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
- 155 2021-10-06 11:16:07.412053: 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
- 156 2021-10-06 11:16:07.412256: 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
- 157 2021-10-06 11:16:07.412477: 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
- 158 2021-10-06 11:16:07.412733: 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
- 159 2021-10-06 11:16:07.532907: 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
- 160 2021-10-06 11:16:07.533193: 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
- 161 2021-10-06 11:16:07.533468: 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
- 162 2021-10-06 11:16:07.533741: 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
- 163 2021-10-06 11:16:07.534016: 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

accuracy: 0.5475

172 end

173

175

170 Accuracy: 0.5474537014961243

174 Process finished with exit code 0

171 Loss: 1.2565083503723145

166 2021-10-06 11:16:07.534845: W tensorflow/core/lib/png/png_io.cc:88] PNG

167 2021-10-06 11:16:07.535161: W tensorflow/core/lib/png/png_io.cc:88] PNG

accuracy: 0.54232021-10-06 11:16:14.706166: W tensorflow/core/lib/png/

168 17/27 [============>....] - ETA: 20s - loss: 1.2682 -

png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile

warning: iCCP: known incorrect sRGB profile

warning: iCCP: profile 'ICC Profile': 'bTRC': ICC profile tag start not