- 1 C:\Users\jdeag\Desktop\project\ArtificialIntel\BuildingIdentifier\venv\
   Scripts\python.exe C:/Users/jdeag/Desktop/project/ArtificialIntel/
   BuildingIdentifier/ImageAnnotation/KerasTunerDeagan.py
- 2 2021-10-04 14:08:21.604123: 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 2021-10-04 14:08:21.604481: 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 2021-10-04 14:08:46.913481: 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 2021-10-04 14:08:46.948275: 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 2021-10-04 14:08:46.949646: 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 2021-10-04 14:08:46.951207: 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 2021-10-04 14:08:46.952613: 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 2021-10-04 14:08:46.954153: 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 2021-10-04 14:08:46.955630: 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 2021-10-04 14:08:46.957101: 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 2021-10-04 14:08:46.957861: 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 2021-10-04 14:08:46.959409: 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"

File - KerasTunerDeagan					
<ul><li>24</li><li>25</li><li>26</li></ul>	Layer (type)	Uutput	 Shape 	 Param # 	
	rescaling (Rescaling)			0	
	random_flip (RandomFlip)	(None,	256, 256, 3)	0	
	random_rotation (RandomRotat				
	conv2d (Conv2D)	(None,	254, 254, 64)	1792	
35	<pre>max_pooling2d (MaxPooling2D)</pre>	(None,	127, 127, 64)		
38					
39 40	max_pooling2d_1 (MaxPooling2		62, 62, 128)	0	
	conv2d_2 (Conv2D)	(None,	60, 60, 256) 	295168 	
44	<pre>max_pooling2d_2 (MaxPooling2</pre>				
46	flatten (Flatten)				
	dense (Dense)	(None,	256)	58982656	
49 50	dense_1 (Dense)	(None,	128)	32896	
51 52	dense_2 (Dense)	(None,	6) 		
54	Total params: 59,387,142 Trainable params: 59,387,142 Non-trainable params: 0				
57	Epoch 1/10 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(				
	2021-10-04 14:08:48.398148: I tensorflow/compiler/mlir/ mlir_graph_optimization_pass.cc:185] None of the MLIR Optimization Passes are enabled (registered 2)				
61	2021-10-04 14:08:50.588953: W cpu_allocator_impl.cc:80] All system memory.				
	2021-10-04 14:08:53.325873: W tensorflow/core/framework/cpu_allocator_impl.cc:80] Allocation of 528515072 exceeds 10% of free system memory.				
63	1/196 [] - ETA: 21:10 - loss: 1.8088 - accuracy: 0.09382021-10-04 14:08:54.433493: W tensorflow/core/framework/cpu_allocator_impl.cc:80] Allocation of 528515072 exceeds 10% of free system memory.				
64	2021-10-04 14:08:54.469678: W tensorflow/core/lib/png/png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile				
65	2021-10-04 14:08:57.111540: W tensorflow/core/framework/cpu_allocator_impl.cc:80] Allocation of 528515072 exceeds 10% of free				
	Page 2 of 6				

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84 png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
85 122/196 [============>....] - ETA: 4:41 - loss: 1.5004 -
   accuracy: 0.43572021-10-04 14:16:34.104700: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
86 2021-10-04 14:16:34.182998: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
87 127/196 [============>....] - ETA: 4:21 - loss: 1.4911 -
   accuracy: 0.43822021-10-04 14:16:53.135170: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
88 131/196 [=============>.....] - ETA: 4:06 - loss: 1.4899 -
   accuracy: 0.43942021-10-04 14:17:04.210829: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
89 2021-10-04 14:17:07.752247: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
90 134/196 [===============>.....] - ETA: 3:55 - loss: 1.4873 -
   accuracy: 0.43982021-10-04 14:17:19.280563: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
91 135/196 [=============>.....] - ETA: 3:51 - loss: 1.4858 -
   accuracy: 0.44002021-10-04 14:17:23.165464: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
92 2021-10-04 14:17:23.262725: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
accuracy: 0.44442021-10-04 14:18:34.426413: W tensorflow/core/lib/png/
   pnq_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
accuracy: 0.44242021-10-04 14:19:20.229273: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
accuracy: 0.44492021-10-04 14:19:42.665028: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
accuracy: 0.44542021-10-04 14:19:49.743231: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
accuracy: 0.44472021-10-04 14:21:30.378558: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
98 2021-10-04 14:21:31.004992: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
99 2021-10-04 14:21:32.355992: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
100 2021-10-04 14:21:54.128422: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
101 2021-10-04 14:21:54.304535: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
102 2021-10-04 14:22:14.238918: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
- accuracy: 0.4447 - val_loss: 1.3141 - val_accuracy: 0.4795
104 Epoch 2/10
- accuracy: 0.4550 - val_loss: 1.3091 - val_accuracy: 0.4795
106 Epoch 3/10
- accuracy: 0.4598 - val_loss: 1.2898 - val_accuracy: 0.4930
108 Epoch 4/10
```

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109 - accuracy: 0.4615 - val_loss: 1.2718 - val_accuracy: 0.5006
110 Epoch 5/10
- accuracy: 0.4660 - val_loss: 1.2734 - val_accuracy: 0.4885
112 Epoch 6/10
- accuracy: 0.4665 - val_loss: 1.2782 - val_accuracy: 0.4917
114 Epoch 7/10
- accuracy: 0.4766 - val_loss: 1.2669 - val_accuracy: 0.4904
116 Epoch 8/10
- accuracy: 0.4751 - val_loss: 1.2462 - val_accuracy: 0.5026
118 Epoch 9/10
- accuracy: 0.4761 - val_loss: 1.2554 - val_accuracy: 0.4987
120 Epoch 10/10
- accuracy: 0.4814 - val_loss: 1.2379 - val_accuracy: 0.5070
122 2021-10-04 17:38:52.628543: I tensorflow/core/kernels/data/
   shuffle_dataset_op.cc:175] Filling up shuffle buffer (this may take a
   while): 21 of 256
123 2021-10-04 17:39:02.574566: I tensorflow/core/kernels/data/
   shuffle_dataset_op.cc:175] Filling up shuffle buffer (this may take a
   while): 67 of 256
124 2021-10-04 17:39:12.555785: I tensorflow/core/kernels/data/
   shuffle_dataset_op.cc:175] Filling up shuffle buffer (this may take a
   while): 135 of 256
125 2021-10-04 17:39:17.424939: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
126 2021-10-04 17:39:23.196569: I tensorflow/core/kernels/data/
   shuffle_dataset_op.cc:175] Filling up shuffle buffer (this may take a
   while): 244 of 256
127 2021-10-04 17:39:23.636201: I tensorflow/core/kernels/data/
   shuffle_dataset_op.cc:228] Shuffle buffer filled.
128
   2/27 [=>.....] - ETA: 50s - loss: 1.2837 -
   accuracy: 0.6094 2021-10-04 17:39:31.169276: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
129 9/27 [=======>.....] - ETA: 1:06 - loss: 1.2576 -
   accuracy: 0.52782021-10-04 17:40:02.157192: W tensorflow/core/lib/png/
```

- png\_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
- 130 10/27 [========>.....] ETA: 1:09 loss: 1.2618 accuracy: 0.53442021-10-04 17:40:03.760130: W tensorflow/core/lib/png/ png\_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
- 131 2021-10-04 17:40:04.008830: 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
- 132 2021-10-04 17:40:04.147276: 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
- 133 2021-10-04 17:40:04.148461: 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
- 134 2021-10-04 17:40:04.149436: 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
- 135 2021-10-04 17:40:04.350531: W tensorflow/core/lib/png/png\_io.cc:88] PNG

- 135 warning: iCCP: profile 'ICC Profile': 'gXYZ': ICC profile tag start not a multiple of 4
- 136 2021-10-04 17:40:04.517528: 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
- 137 2021-10-04 17:40:04.518256: 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
- 138 2021-10-04 17:40:04.518963: 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
- 139 2021-10-04 17:40:04.519667: 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
- 140 2021-10-04 17:40:04.571834: 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
- 141 2021-10-04 17:40:04.572548: 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
- 142 2021-10-04 17:40:04.673257: 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
- 143 2021-10-04 17:40:04.673731: 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
- 144 2021-10-04 17:40:04.753323: 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
- 145 2021-10-04 17:40:04.754031: 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
- 146 2021-10-04 17:40:04.754722: 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
- 147 17/27 [============>.....] ETA: 38s loss: 1.2815 accuracy: 0.52392021-10-04 17:40:28.846076: W tensorflow/core/lib/png/png\_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
- - accoracy. 0.3174
- 149 Accuracy: 0.5173611044883728 150 Loss: 1.2844961881637573
- 151 end
- 152
- 153 Process finished with exit code 0
- 153 154