- 1 C:\Users\jdeag\Desktop\project\ArtificialIntel\BuildingIdentifier\venv\
   Scripts\python.exe C:/Users/jdeag/Desktop/project/ArtificialIntel/
   BuildingIdentifier/ImageAnnotation/KerasTunerDeagan.py
- 2 2021-10-05 12:21:56.671143: 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 2021-10-05 12:21:56.672232: 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 2021-10-05 12:22:34.863512: 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 2021-10-05 12:22:34.864492: 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 2021-10-05 12:22:34.865445: 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 2021-10-05 12:22:35.458575: 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 2021-10-05 12:22:35.459544: 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 2021-10-05 12:22:35.460743: 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 2021-10-05 12:22:35.462221: 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 2021-10-05 12:22:35.463914: 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 2021-10-05 12:22:35.465241: 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 2021-10-05 12:22:35.466971: 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"

	erasTunerDeagan				
24					
25 26	Layer (type)	Output	Shape ====================================	Param # ======	
	rescaling (Rescaling)	(None,	256, 256, 3)	0	
	random_flip (RandomFlip)			0	
31	random_rotation (RandomRotat	(None,	256, 256, 3)	0	
33	conv2d (Conv2D)	(None,	254, 254, 64)	1792	
35	<pre>max_pooling2d (MaxPooling2D)</pre>	(None,	127, 127, 64)		
37 38	conv2d_1 (Conv2D)	(None,	125, 125, 128)	73856	
	max_pooling2d_1 (MaxPooling2	(None,	62, 62, 128)	0	
41	conv2d_2 (Conv2D)	(None,	60, 60, 256)	295168	
	max_pooling2d_2 (MaxPooling2			0	
	flatten (Flatten)	(None,	230400)	0	
47	dense (Dense)	(None,	256)	58982656	
49 50	dense_1 (Dense)	(None,	256)	05/92	
51	dense_2 (Dense)	(None,	6)	1542	
	Total params: 59,420,806				
	Trainable params: 59,420,806				
	Non-trainable params: 0				
56					
	Epoch 1/10 C:\Usans\ideag\Daskton\nnoice	s+\An+id	FicialIntol\Buildin	rIdontifion\vony\	
၁၀	<pre>C:\Users\jdeag\Desktop\project\ArtificialIntel\BuildingIdentifier\venv\ lib\site-packages\keras\backend.py:4906: UserWarning: "`</pre>				
	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	2021-10-05 12:22:37.512497: I tensorflow/compiler/mlir/ mlir_graph_optimization_pass.cc:185] None of the MLIR Optimization Passes are enabled (registered 2)				
61	2021-10-05 12:22:39.369543: W	V tensor	rflow/core/framework	<b><!--</b--></b>	
	<pre>cpu_allocator_impl.cc:80] All</pre>	ocation	n of 528515072 exce	eds 10% of free	
, -	system memory.		67 / / 6	1	
62	2021-10-05 12:22:42.186086: W				
	<pre>cpu_allocator_impl.cc:80] All system memory.</pre>	_ocat10r	1 OT 278272015 6XC66	eus 10% OT Tree	
63			] - ETA: 20:00 ·	- loss: 1.7959 -	
	1/196 [] - ETA: 20:00 - loss: 1.7959 - accuracy: 0.03122021-10-05 12:22:43.248225: W tensorflow/core/framework/				
	cpu_allocator_impl.cc:80] All				
	system memory.				
64	2021-10-05 12:22:45.853078: W		•	•	
	<pre>cpu_allocator_impl.cc:80] All</pre>	_ocatior	n of 528515072 excee	eds 10% of free	
65	system memory. 2/196 [		] - FTA· 11·55 .	- lnss: 5 8502 -	
	Page 2 of 6				

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File - KerasTunerDeagai
```

```
84 png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
85 2021-10-05 12:39:54.954936: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
86 2021-10-05 12:39:55.213431: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
87 124/196 [=============>....] - ETA: 10:15 - loss: 1.4613 -
   accuracy: 0.44082021-10-05 12:40:19.655718: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
88 126/196 [=============>....] - ETA: 9:53 - loss: 1.4561 -
   accuracy: 0.4420 2021-10-05 12:40:27.187862: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
89 133/196 [==============>.....] - ETA: 8:38 - loss: 1.4526 -
   accuracy: 0.44362021-10-05 12:41:39.270588: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
90 134/196 [==============>.....] - ETA: 8:55 - loss: 1.4522 -
   accuracy: 0.44382021-10-05 12:41:54.392778: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
91 2021-10-05 12:41:55.590985: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
92 2021-10-05 12:41:55.606121: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
accuracy: 0.44782021-10-05 12:43:04.459043: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
accuracy: 0.44552021-10-05 12:44:05.391757: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
accuracy: 0.44612021-10-05 12:44:10.470574: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
96 2021-10-05 12:44:12.656266: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
accuracy: 0.44792021-10-05 12:46:47.935087: W tensorflow/core/lib/png/
   png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
98 2021-10-05 12:47:30.933685: I tensorflow/core/kernels/data/
   shuffle_dataset_op.cc:175] Filling up shuffle buffer (this may take a
   while): 228 of 256
99 2021-10-05 12:47:30.933880: I tensorflow/core/kernels/data/
   shuffle_dataset_op.cc:175] Filling up shuffle buffer (this may take a
   while): 229 of 256
100 2021-10-05 12:47:30.949481: I tensorflow/core/kernels/data/
   shuffle_dataset_op.cc:175] Filling up shuffle buffer (this may take a
   while): 230 of 256
101 2021-10-05 12:47:30.949662: I tensorflow/core/kernels/data/
   shuffle_dataset_op.cc:175] Filling up shuffle buffer (this may take a
   while): 231 of 256
102 2021-10-05 12:47:31.450892: I tensorflow/core/kernels/data/
   shuffle_dataset_op.cc:228] Shuffle buffer filled.
103 2021-10-05 12:47:32.177761: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
104 2021-10-05 12:47:34.317742: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
105  2021-10-05  12:48:05.923886: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
106 2021-10-05 12:48:06.148582: W tensorflow/core/lib/png/png_io.cc:88] PNG
   warning: iCCP: known incorrect sRGB profile
```

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File - KerasTunerDeagan
```

```
107 2021-10-05 12:48:27.267584: W tensorflow/core/lib/png/png_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
```

- 109 Epoch 2/10
- 111 Epoch 3/10
- accuracy: 0.4729 val\_loss: 1.2966 val\_accuracy: 0.4981
- 113 Epoch 4/10
- accuracy: 0.4695 val\_loss: 1.2951 val\_accuracy: 0.4885
- 115 Epoch 5/10
- - accuracy: 0.4770 val\_loss: 1.2542 val\_accuracy: 0.5019
- 117 Epoch 6/10
- - 2 Enoch 7/10
- 119 Epoch 7/10
- - accuracy: 0.4822 val\_loss: 1.2399 val\_accuracy: 0.5096
- 121 Epoch 8/10
- - accuracy: 0.4870 val\_loss: 1.2579 val\_accuracy: 0.4968
- 123 Epoch 9/10
- - accuracy: 0.4887 val\_loss: 1.2659 val\_accuracy: 0.4661
- 125 Epoch 10/10
- - accuracy: 0.4828 val\_loss: 1.2452 val\_accuracy: 0.5051
- 127 2021-10-05 15:40:40.113590: I tensorflow/core/kernels/data/ shuffle\_dataset\_op.cc:175] Filling up shuffle buffer (this may take a while): 70 of 256
- 128 2021-10-05 15:40:50.319698: I tensorflow/core/kernels/data/ shuffle\_dataset\_op.cc:175] Filling up shuffle buffer (this may take a
- while): 171 of 256
  129 2021-10-05 15:40:53.951496: W tensorflow/core/lib/png/png\_io.cc:88] PNG
  warning: iCCP: known incorrect sRGB profile
- 130 2021-10-05 15:40:55.648689: I tensorflow/core/kernels/data/shuffle\_dataset\_op.cc:228] Shuffle buffer filled.
- 131 2/27 [=>......] ETA: 32s loss: 1.3130 accuracy: 0.5469 2021-10-05 15:41:02.013952: W tensorflow/core/lib/png/png\_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
- 132 9/27 [========>......] ETA: 23s loss: 1.2699 accuracy: 0.50692021-10-05 15:41:10.424262: W tensorflow/core/lib/png/png\_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
- 133 2021-10-05 15:41:11.230024: W tensorflow/core/lib/png/png\_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
- 134 10/27 [========>.....] ETA: 21s loss: 1.2734 accuracy: 0.51252021-10-05 15:41:11.361551: 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
- 135 2021-10-05 15:41:11.362240: 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
- 136 2021-10-05 15:41:11.388133: W tensorflow/core/lib/png/png\_io.cc:88] PNG

- 136 warning: iCCP: profile 'ICC Profile': 'bkpt': ICC profile tag start not a multiple of 4
- 137 2021-10-05 15:41:11.388801: 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
- 138 2021-10-05 15:41:11.436091: 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
- 139 2021-10-05 15:41:11.436590: 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
- 140 2021-10-05 15:41:11.437086: 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
- 141 2021-10-05 15:41:11.437630: 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
- 142 2021-10-05 15:41:11.438123: 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
- 143 2021-10-05 15:41:11.438607: 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
- 144 2021-10-05 15:41:11.474201: 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
- 145 2021-10-05 15:41:11.474947: 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
- 146 2021-10-05 15:41:11.475657: 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
- 147 2021-10-05 15:41:11.476350: 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
- 148 2021-10-05 15:41:11.477047: 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
- 149 2021-10-05 15:41:11.477615: 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
- 150 17/27 [============>.....] ETA: 13s loss: 1.3014 accuracy: 0.51652021-10-05 15:41:21.758220: W tensorflow/core/lib/png/png\_io.cc:88] PNG warning: iCCP: known incorrect sRGB profile
- 152 Accuracy: 0.5196759104728699
- 153 Loss: 1.304303526878357
- 154 end
- 155
- 156 Process finished with exit code 0
- 157