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1 "C:\Users\asaay\Documents\ML Projects\venv\Scripts\python.exe" "C:/Users/asaay/Documents/ML Projects/Image Super Resolution/image_SR_2.py"
2 2020-08-06 21:50:45.818324: I tensorflow/stream_executor/platform/default/dso_loader.cc:48] Successfully opened dynamic library cudart64_101.dll
3 Found 5687 files belonging to 1 classes.
4 2020-08-06 21:50:48.169852: I tensorflow/stream_executor/platform/default/dso_loader.cc:48] Successfully opened dynamic library nvcuda.dll
5 2020-08-06 21:50:48.193497: I tensorflow/core/common_runtime/gpu/gpu_device.cc:1716] Found device 0 with properties:
6 pciBusID: 0000:09:00.0 name: GeForce RTX 2070 SUPER computeCapability: 7.5
7 coreClock: 1.785GHz coreCount: 40 deviceMemorySize: 8.00GiB deviceMemoryBandwidth: 417.29GiB/s
8 2020-08-06 21:50:48.193653: I tensorflow/stream_executor/platform/default/dso_loader.cc:48] Successfully opened dynamic library cudart64_101.dll
9 2020-08-06 21:50:48.201573: I tensorflow/stream_executor/platform/default/dso_loader.cc:48] Successfully opened dynamic library cublas64_10.dll
10 2020-08-06 21:50:48.205211: I tensorflow/stream_executor/platform/default/dso_loader.cc:48] Successfully opened dynamic library cufft64_10.dll
11 2020-08-06 21:50:48.206359: I tensorflow/stream_executor/platform/default/dso_loader.cc:48] Successfully opened dynamic library curand64_10.dll
12 2020-08-06 21:50:48.209762: I tensorflow/stream_executor/platform/default/dso_loader.cc:48] Successfully opened dynamic library cusolver64_10.dll
13 2020-08-06 21:50:48.211704: I tensorflow/stream_executor/platform/default/dso_loader.cc:48] Successfully opened dynamic library cusparse64_10.dll
14 2020-08-06 21:50:48.230048: I tensorflow/stream_executor/platform/default/dso_loader.cc:48] Successfully opened dynamic library cudnn64_7.dll
15 2020-08-06 21:50:48.230191: I tensorflow/core/common_runtime/gpu/gpu_device.cc:1858] Adding visible gpu devices: 0
16 2020-08-06 21:50:48.230645: I tensorflow/core/platform/cpu_feature_guard.cc:142] This TensorFlow binary is optimized with oneAPI Deep Neural Network
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16 Library (oneDNN) to use the following CPU
   instructions in performance-critical operations:
   AVX2
17 To enable them in other operations, rebuild
   TensorFlow with the appropriate compiler flags.
18 2020-08-06 21:50:48.237691: I tensorflow/compiler/xla
   /service/service.cc:168] XLA service 0x1468d4bbb50
   initialized for platform Host (this does not
   guarantee that XLA will be used). Devices:
19 2020-08-06 21:50:48.237828: I tensorflow/compiler/xla
   /service/service.cc:176] StreamExecutor device (0
   ): Host, Default Version
20 2020-08-06 21:50:48.237989: I tensorflow/core/
   common_runtime/gpu/gpu_device.cc:1716] Found device 0
   with properties:
21 pciBusID: 0000:09:00.0 name: GeForce RTX 2070 SUPER
   computeCapability: 7.5
22 coreClock: 1.785GHz coreCount: 40 deviceMemorySize: 8
   .00GiB deviceMemoryBandwidth: 417.29GiB/s
23 2020-08-06 21:50:48.238242: I tensorflow/
   stream_executor/platform/default/dso_loader.cc:48]
   Successfully opened dynamic library cudart64_101.dll
24 2020-08-06 21:50:48.238378: I tensorflow/
   stream_executor/platform/default/dso_loader.cc:48]
   Successfully opened dynamic library cublas64_10.dll
25 2020-08-06 21:50:48.238489: I tensorflow/
   stream_executor/platform/default/dso_loader.cc:48]
   Successfully opened dynamic library cufft64_10.dll
26 2020-08-06 21:50:48.238592: I tensorflow/
   stream_executor/platform/default/dso_loader.cc:48]
   Successfully opened dynamic library curand64_10.dll
27 2020-08-06 21:50:48.238714: I tensorflow/
   stream_executor/platform/default/dso_loader.cc:48]
   Successfully opened dynamic library cusolver64_10.dll
28 2020-08-06 21:50:48.238828: I tensorflow/
   stream_executor/platform/default/dso_loader.cc:48]
   Successfully opened dynamic library cusparse64_10.dll
29 2020-08-06 21:50:48.238939: I tensorflow/
   stream_executor/platform/default/dso_loader.cc:48]
   Successfully opened dynamic library cudnn64_7.dll
30 2020-08-06 21:50:48.239076: I tensorflow/core/
   common_runtime/gpu/gpu_device.cc:1858] Adding visible
   gpu devices: 0
31 2020-08-06 21:50:48.634217: I tensorflow/core/
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31 common_runtime/gpu/gpu_device.cc:1257] Device
    interconnect StreamExecutor with strength 1 edge
    matrix:
32 2020-08-06 21:50:48.634308: I tensorflow/core/
    common_runtime/gpu/gpu_device.cc:1263]      0
33 2020-08-06 21:50:48.634358: I tensorflow/core/
    common_runtime/gpu/gpu_device.cc:1276] 0:    N
34 2020-08-06 21:50:48.634530: I tensorflow/core/
    common_runtime/gpu/gpu_device.cc:1402] Created
    TensorFlow device (/job:localhost/replica:0/task:0/
    device:GPU:0 with 6614 MB memory) -> physical GPU (
    device: 0, name: GeForce RTX 2070 SUPER, pci bus id:
    0000:09:00.0, compute capability: 7.5)
35 2020-08-06 21:50:48.636585: I tensorflow/compiler/xla
    /service/service.cc:168] XLA service 0x146b9721f30
    initialized for platform CUDA (this does not
    guarantee that XLA will be used). Devices:
36 2020-08-06 21:50:48.636691: I tensorflow/compiler/xla
    /service/service.cc:176]   StreamExecutor device (0
    ): GeForce RTX 2070 SUPER, Compute Capability 7.5
37 Found 1421 files belonging to 1 classes.
38 Found 5687 files belonging to 1 classes.
39 Found 1421 files belonging to 1 classes.
40 Model: "functional_1"
41 -----
42 -----
43 Layer (type)                Output Shape
44          Param #
45 =====
46 input_1 (InputLayer)        [(None, 720, 1280, 3
47    )]      0
48 -----
49 rescaling (Rescaling)        (None, 720, 1280, 3
50    )      0
51 -----
52 conv1 (Conv2D)               (None, 144, 256, 128
53    )      9728
54 -----
55 conv2 (Conv2D)               (None, 141, 253, 150
56    )      307350

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51 -----
52 conv2d (Conv2D) (None, 135, 240, 192
   ) 2822592
53 -----
54 tf.nn.depth_to_space (TF0pLa (None, 1080, 1920, 3
   ) 0
55 -----
56 rescaling_1 (Rescaling) (None, 1080, 1920, 3
   ) 0
57 =====
58 Total params: 3,139,670
59 Trainable params: 3,139,670
60 Non-trainable params: 0
61 -----
62 Epoch 1/10
63 2020-08-06 21:50:49.697227: I tensorflow/compiler/
   mlir/mlir_graph_optimization_pass.cc:118] None of the
   MLIR optimization passes are enabled (registered 1)
64 2020-08-06 21:50:54.498251: I tensorflow/
   stream_executor/platform/default/dso_loader.cc:48]
   Successfully opened dynamic library cudnn64_7.dll
65 2020-08-06 21:50:55.405782: I tensorflow/core/
   platform/windows/subprocess.cc:308] SubProcess ended
   with return code: 0
66
67 2020-08-06 21:50:55.438906: I tensorflow/core/
   platform/windows/subprocess.cc:308] SubProcess ended
   with return code: 0
68
69 2020-08-06 21:50:55.444978: I tensorflow/
   stream_executor/platform/default/dso_loader.cc:48]
   Successfully opened dynamic library cublas64_10.dll
70 711/711 [=====] - 890s 1s/
   step - loss: 6547.5156 - accuracy: 0.3778 - val_loss
   : 4072.4487 - val_accuracy: 0.4795
71 Epoch 2/10
72 711/711 [=====] - 885s 1s/
   step - loss: 4219.0680 - accuracy: 0.3893 - val_loss
   : 4198.6079 - val_accuracy: 0.4798

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73 Epoch 3/10
74 711/711 [=====] - 885s 1s/
    step - loss: 4219.4503 - accuracy: 0.3828 - val_loss
      : 4069.2361 - val_accuracy: 0.2090
75 Epoch 4/10
76 711/711 [=====] - 885s 1s/
    step - loss: 4201.2646 - accuracy: 0.3655 - val_loss
      : 4065.8723 - val_accuracy: 0.2090
77 Epoch 5/10
78 711/711 [=====] - 886s 1s/
    step - loss: 4210.8039 - accuracy: 0.3891 - val_loss
      : 4107.7158 - val_accuracy: 0.2090
79 Epoch 6/10
80 711/711 [=====] - 890s 1s/
    step - loss: 4212.3916 - accuracy: 0.3761 - val_loss
      : 4066.9612 - val_accuracy: 0.4798
81 Epoch 7/10
82 711/711 [=====] - 888s 1s/
    step - loss: 4205.2832 - accuracy: 0.3829 - val_loss
      : 4126.5488 - val_accuracy: 0.4798
83 Epoch 8/10
84 711/711 [=====] - 888s 1s/
    step - loss: 4207.0487 - accuracy: 0.3899 - val_loss
      : 4090.7241 - val_accuracy: 0.2090
85 Epoch 9/10
86 711/711 [=====] - 888s 1s/
    step - loss: 4196.0095 - accuracy: 0.3878 - val_loss
      : 4067.5574 - val_accuracy: 0.4798
87 Epoch 10/10
88 711/711 [=====] - 888s 1s/
    step - loss: 4209.8827 - accuracy: 0.4034 - val_loss
      : 4068.0479 - val_accuracy: 0.2090
89
90 Process finished with exit code 0
91
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