- 1 C:\Users\Hemant\anaconda3\envs\tf\python.exe "Y:\Coding\Project\Apple\Plant Disease Detection\v1.2\PlantDetectionMLModel3.py"
- 2 WARNING:tensorflow: input_shape is undefined or non-square, or rows is not in [128, 160, 192, 224]. Weights for input shape (224, 224) will be loaded as the default.
- 3 2023-12-07 11:13:29.808400: I tensorflow/core/platform/cpu_feature_guard.cc:151] This TensorFlow binary is optimized with oneAPI Deep Neural Network Library (oneDNN) to use the following CPU instructions in performance-critical operations: AVX AVX2
- 4 To enable them in other operations, rebuild TensorFlow with the appropriate compiler flags.
- 5 2023-12-07 11:13:30.360833: I tensorflow/core/common_runtime/gpu/gpu_device.cc:1525] Created device /job:localhost/replica:0/task:0/device:GPU:0 with 2139 MB memory: -> device: 0, name: NVIDIA GeForce GTX 1650, pci bus id: 0000:01:00.0, compute capability: 7.5
- 6 Found 7771 images belonging to 4 classes.
- 7 Found 1943 images belonging to 4 classes.
- 8 Epoch 1/15
- 9 2023-12-07 11:13:35.163364: I tensorflow/stream_executor/cuda/cuda_dnn.cc:368] Loaded cuDNN version 8600
- 10 2023-12-07 11:13:37.925792: W tensorflow/core/common_runtime/bfc_allocator.cc:275] Allocator (GPU_0_bfc) ran out of memory trying to allocate 2.34GiB with freed_by_count=0 . The caller indicates that this is not a failure, but may mean that there could be performance gains if more memory were available.
- 11 2023-12-07 11:13:37.926496: W tensorflow/core/common_runtime/bfc_allocator.cc:275] Allocator (GPU_0_bfc) ran out of memory trying to allocate 2.34GiB with freed_by_count=0 . The caller indicates that this is not a failure, but may mean that there could be performance gains if more memory were available.
- 12 4/242 [......] ETA: 1:00 loss: 1.9520 acc: 0.2969 f1_m: 0.2646 precision_m: 0.4159 recall_m: 0.20312023-12-07 11:13:39.508659: W tensorflow/core/common_runtime/bfc_allocator.cc:275] Allocator (GPU_0_bfc) ran out of memory trying to allocate 2.33GiB with freed_by_count=0. The caller indicates that this is not a failure, but may mean that there could be performance gains if more memory were available.
- 13 2023-12-07 11:13:39.508889: W tensorflow/core/common_runtime/bfc_allocator.cc:275] Allocator (GPU_0_bfc) ran out of memory trying to allocate 2.33GiB with freed_by_count=0. The caller indicates that this is not a failure, but may mean that there could be performance gains if more memory were available.
- 15 2023-12-07 11:15:01.230872: W tensorflow/core/common_runtime/bfc_allocator.cc:275] Allocator (GPU_0_bfc) ran out of memory trying to allocate 2.32GiB with freed_by_count=0 . The caller indicates that this is not a failure, but may mean that there could be performance gains if more memory were available.

```
16 0.9820 - val f1 m: 0.9816 - val precision m: 0.9826 - val recall m: 0.9806
17 Epoch 2/15
9678 - f1 m: 0.9680 - precision m: 0.9688 - recall m: 0.9672 - val loss: 0.0958 - val acc:
  0.9609 - val f1 m: 0.9601 - val precision m: 0.9617 - val recall m: 0.9585
19 Epoch 3/15
9783 - f1 m: 0.9783 - precision m: 0.9792 - recall m: 0.9774 - val loss: 0.0362 - val acc:
  0.9887 - val f1 m: 0.9887 - val precision m: 0.9887 - val recall m: 0.9887
21 Epoch 4/15
9801 - f1 m: 0.9801 - precision m: 0.9809 - recall m: 0.9793 - val loss: 0.0531 - val acc:
  0.9804 - val f1 m: 0.9812 - val precision m: 0.9830 - val recall m: 0.9795
23 Epoch 5/15
9778 - f1 m: 0.9780 - precision m: 0.9786 - recall m: 0.9774 - val loss: 0.0414 - val acc:
  0.9846 - val f1 m: 0.9848 - val precision m: 0.9856 - val recall m: 0.9841
25 Epoch 6/15
9828 - f1 m: 0.9831 - precision m: 0.9839 - recall m: 0.9823 - val loss: 0.0497 - val acc:
  0.9804 - val f1 m: 0.9805 - val precision m: 0.9815 - val recall m: 0.9795
27 Epoch 7/15
9836 - f1 m: 0.9836 - precision m: 0.9845 - recall m: 0.9827 - val loss: 0.0534 - val acc:
  0.9840 - val f1 m: 0.9836 - val precision m: 0.9846 - val recall m: 0.9826
29 Epoch 8/15
9881 - f1 m: 0.9883 - precision m: 0.9886 - recall m: 0.9880 - val loss: 0.0282 - val acc:
  0.9913 - val f1 m: 0.9910 - val precision m: 0.9913 - val recall m: 0.9908
31 Epoch 9/15
9879 - f1 m: 0.9881 - precision m: 0.9886 - recall m: 0.9876 - val loss: 0.0219 - val acc:
  0.9907 - val_f1_m: 0.9907 - val_precision_m: 0.9918 - val_recall_m: 0.9896
33 Epoch 10/15
9853 - f1 m: 0.9845 - precision m: 0.9856 - recall m: 0.9835 - val loss: 0.0315 - val acc:
  0.9897 - val f1 m: 0.9898 - val precision m: 0.9898 - val recall m: 0.9898
35 Epoch 11/15
9889 - f1 m: 0.9887 - precision m: 0.9891 - recall m: 0.9884 - val loss: 0.0285 - val acc:
  0.9902 - val f1 m: 0.9900 - val precision m: 0.9903 - val recall m: 0.9898
37 Epoch 12/15
9855 - f1 m: 0.9856 - precision m: 0.9860 - recall m: 0.9851 - val loss: 0.0242 - val acc:
  0.9938 - val f1 m: 0.9936 - val precision m: 0.9939 - val recall m: 0.9933
39 Epoch 13/15
```

9875 - f1 m: 0.9877 - precision m: 0.9883 - recall m: 0.9871 - val loss: 0.0303 - val acc: 0.9913 - val f1 m: 0.9915 - val precision m: 0.9923 - val recall m: 0.9908 41 Epoch 14/15 9889 - f1 m: 0.9888 - precision m: 0.9891 - recall m: 0.9884 - val loss: 0.0350 - val acc: 0.9861 - val f1 m: 0.9858 - val precision m: 0.9876 - val recall m: 0.9841 43 Epoch 15/15 9910 - f1_m: 0.9911 - precision_m: 0.9916 - recall_m: 0.9906 - val_loss: 0.0286 - val_acc: 0.9882 - val f1 m: 0.9880 - val precision m: 0.9882 - val recall m: 0.9877 - f1 m: 0.9880 - precision m: 0.9882 - recall m: 0.9877 46 Test Loss: 0.02861432358622551 47 Test Accuracy: 0.988162636756897 48 F1 score: 0.9879570007324219 49 Precision: 0.9882172346115112 50 Recall: 0.9877049326896667 51 52 Process finished with exit code 0 53