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1 D:\DeepFake\pythonProject1\.venv\Scripts\python.exe D
:\DeepFake\pythonProject1\Main\main.py
2 2025-09-11 17:51:49.654953: I tensorflow/core/util/
port.cc:153] oneDNN custom operations are on. You may
see slightly different numerical results due to
floating-point round-off errors from different
computation orders. To turn them off, set the
environment variable `TF_ENABLE_ONEDNN_OPTS=0`.
3 2025-09-11 17:51:52.327148: I tensorflow/core/util/
port.cc:153] oneDNN custom operations are on. You may
see slightly different numerical results due to
floating-point round-off errors from different
computation orders. To turn them off, set the
environment variable `TF_ENABLE_ONEDNN_OPTS=0`.
4 Using TensorFlow 2.19.0
5 Config: {
6   "model_name": "mobilenetv3",
7   "data_dir": "D:/DeepFake/pythonProject1/Frames/
Celeb-df/Celeb-df 224 EX",
8   "epochs": 20,
9   "batch_size": 32,
10  "seed": 42,
11  "base_trainable_at": null,
12  "warmup_epochs": 3,
13  "learning_rate": 0.001,
14  "fine_tune_lr": 0.0001,
15  "use_class_weights": false,
16  "mixed_precision": false,
17  "output_dir": "D:/DeepFake/pythonProject1/Main/
mobilenetv3"
18 }
19 Found 56902 images belonging to 2 classes.
20 Found 12197 images belonging to 2 classes.
21 Found 12195 images belonging to 2 classes.
22 2025-09-11 17:52:01.124892: I tensorflow/core/
platform/cpu_feature_guard.cc:210] This TensorFlow
binary is optimized to use available CPU instructions
in performance-critical operations.
23 To enable the following instructions: SSE3 SSE4.1
SSE4.2 AVX AVX2 AVX_VNNI FMA, in other operations,
rebuild TensorFlow with the appropriate compiler
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23 flags.
24 D:\DeepFake\pythonProject1\.venv\Lib\site-packages\
keras\src\trainers\data_adapters\py_dataset_adapter.
py:121: UserWarning: Your `PyDataset` class should
call `super().__init__(**kwargs)` in its constructor
. `**kwargs` can include `workers`, `
use_multiprocessing`, `max_queue_size`. Do not pass
these arguments to `fit()`, as they will be ignored.
25     self._warn_if_super_not_called()
26 Epoch 1/3
27 1779/1779 _____ 0s 321ms/step -
accuracy: 0.8969 - loss: 0.3593
28 Epoch 1: val_accuracy improved from -inf to 0.90407,
saving model to D:/DeepFake/pythonProject1/Main/
mobilenetv3\best_warmup.keras
29 1779/1779 _____ 652s 365ms/step -
accuracy: 0.8969 - loss: 0.3593 - val_accuracy: 0.
9041 - val_loss: 0.3101 - learning_rate: 0.0010
30 Epoch 2/3
31 1779/1779 _____ 0s 308ms/step -
accuracy: 0.9028 - loss: 0.3233
32 Epoch 2: val_accuracy did not improve from 0.90407
33 1779/1779 _____ 619s 348ms/step -
accuracy: 0.9028 - loss: 0.3233 - val_accuracy: 0.
9039 - val_loss: 0.3133 - learning_rate: 0.0010
34 Epoch 3/3
35 1779/1779 _____ 0s 528ms/step -
accuracy: 0.9012 - loss: 0.3240
36 Epoch 3: val_accuracy did not improve from 0.90407
37 1779/1779 _____ 1033s 581ms/step -
accuracy: 0.9012 - loss: 0.3240 - val_accuracy: 0.
9041 - val_loss: 0.3096 - learning_rate: 0.0010
38 Saved final model to: D:/DeepFake/pythonProject1/Main
/mobilenetv3\mobilenetv3.keras
39 Evaluating on test set...
40 382/382 _____ 106s 278ms/step -
accuracy: 0.6813 - loss: 0.7828
41 Test accuracy: 0.9040 | Test loss: 0.3094
42 382/382 _____ 88s 222ms/step
43
44 Classification Report:

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45
46           precision    recall  f1-score
47   support
48   Celeb-real      1.00      0.00      0.00
49   1172
49   Celeb-synthesis  0.90      1.00      0.95
50   11023
51   accuracy
52   12195
52   macro avg      0.95      0.50      0.48
53   12195
53   weighted avg    0.91      0.90      0.86
54   12195
54
55 Confusion Matrix:
56 [[    1 1171]
57  [    0 11023]]
58
59 Process finished with exit code 0
60
```