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1 D:\DeepFake\pythonProject1\.venv\Scripts\python.exe D
:\DeepFake\pythonProject1\Main\main.py
2 2025-09-18 22:35:56.276843: 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 2025-09-18 22:35:59.312198: 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": "efficientnetb7",
7   "data_dir": "D:/DeepFake/pythonProject1/Frames/FF/
FF 600",
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/FF/
efficientnetb7"
18 }
19 Found 60796 images belonging to 2 classes.
20 Found 13032 images belonging to 2 classes.
21 Found 13030 images belonging to 2 classes.
22 2025-09-18 22:36:10.626188: 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 1900/1900 _____ 0s 19s/step - accuracy
: 0.8764 - loss: 0.3817
28 Epoch 1: val_accuracy improved from -inf to 0.87953,
saving model to D:/DeepFake/pythonProject1/Main/FF/
efficientnetb7\best_warmup.keras
29 1900/1900 _____ 42508s 22s/step -
accuracy: 0.8764 - loss: 0.3817 - val_accuracy: 0.
8795 - val_loss: 0.3593 - learning_rate: 0.0010
30 Epoch 2/3
31 1900/1900 _____ 0s 22s/step - accuracy
: 0.8791 - loss: 0.3684
32 Epoch 2: val_accuracy improved from 0.87953 to 0.
87983, saving model to D:/DeepFake/pythonProject1/
Main/FF/efficientnetb7\best_warmup.keras
33 1900/1900 _____ 48574s 26s/step -
accuracy: 0.8791 - loss: 0.3684 - val_accuracy: 0.
8798 - val_loss: 0.3601 - learning_rate: 0.0010
34 Epoch 3/3
35 1900/1900 _____ 0s 19s/step - accuracy
: 0.8816 - loss: 0.3650
36 Epoch 3: val_accuracy did not improve from 0.87983
37 1900/1900 _____ 43075s 23s/step -
accuracy: 0.8816 - loss: 0.3650 - val_accuracy: 0.
8793 - val_loss: 0.3595 - learning_rate: 0.0010
38 Saved final model to: D:/DeepFake/pythonProject1/Main
/FF/efficientnetb7\efficientnetb7.keras
39 Evaluating on test set...
40 408/408 _____ 7074s 17s/step -
accuracy: 0.9914 - loss: 0.1449
41 Test accuracy: 0.8817 | Test loss: 0.3592
42 408/408 _____ 9480s 23s/step

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43
44 Classification Report:
45
46           precision    recall  f1-score   support
47
48      df             0.88       1.00       0.94       11428
49      real            0.90       0.04       0.08        1602
50
51      accuracy                0.88       13030
52      macro avg             0.89       0.52       0.51       13030
53      weighted avg          0.88       0.88       0.83       13030
54
55 Confusion Matrix:
56 [[11420      8]
57  [ 1533     69]]
58
59 Process finished with exit code 0
60
```