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1 D:\DeepFake\pythonProject1\.venv\Scripts\python.exe D
:\DeepFake\pythonProject1\Main\main.py
2 2025-09-10 13:38:38.126962: 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 2025-09-10 13:38:41.348051: 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": "resnet50",
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/
resnet50"
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 2025-09-10 13:38:52.581867: 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 2s/step - accuracy
: 0.8930 - loss: 0.3774
28 Epoch 1: val_accuracy improved from -inf to 0.90391,
saving model to D:/DeepFake/pythonProject1/Main/
resnet50\best_warmup.keras
29 1779/1779 _____ 3069s 2s/step -
accuracy: 0.8930 - loss: 0.3774 - val_accuracy: 0.
9039 - val_loss: 0.3563 - learning_rate: 0.0010
30 Epoch 2/3
31 1779/1779 _____ 0s 895ms/step -
accuracy: 0.8989 - loss: 0.3422
32 Epoch 2: val_accuracy improved from 0.90391 to 0.
90399, saving model to D:/DeepFake/pythonProject1/
Main/resnet50\best_warmup.keras
33 1779/1779 _____ 1919s 1s/step -
accuracy: 0.8989 - loss: 0.3422 - val_accuracy: 0.
9040 - val_loss: 0.3283 - learning_rate: 0.0010
34 Epoch 3/3
35 1779/1779 _____ 0s 959ms/step -
accuracy: 0.8964 - loss: 0.3410
36 Epoch 3: val_accuracy did not improve from 0.90399
37 1779/1779 _____ 2417s 1s/step -
accuracy: 0.8964 - loss: 0.3410 - val_accuracy: 0.
9012 - val_loss: 0.3143 - learning_rate: 0.0010
38 Saved final model to: D:/DeepFake/pythonProject1/Main
/resnet50\resnet50.keras
39 Evaluating on test set...
40 382/382 _____ 311s 814ms/step -
accuracy: 0.6843 - loss: 0.9474
41 Test accuracy: 0.9041 | Test loss: 0.3302
42 382/382 _____ 404s 1s/step

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43
44 Classification Report:
45
46                precision    recall  f1-score
47  support
48      Celeb-real          0.57      0.01      0.02
49      1172
48      Celeb-synthesis      0.90      1.00      0.95
49      11023
50
51      accuracy                                0.90
52      12195
52      macro avg          0.73      0.51      0.49
53      12195
53      weighted avg        0.87      0.90      0.86
54      12195
54
55 Confusion Matrix:
56 [[   13  1159]
57  [   10 11013]]
58
59 Process finished with exit code 0
60
```