

https://www.kaggle.com/code/tegaajughemre/fake-face-detection/edit

FAKE_FACE_DETECTI... Failed to save draft.

File Edit View Run Settings Add-ons Help

Share Save Version 1

+ - ✂️ 📄 📄 ▶️ ▶️▶️ Run All Code ▾

● Draft Session (6h:7m)

```
Epoch 1/5, Loss: 0.1224, Train Acc: 95.09%
Validation Acc: 95.40%
Epoch 2/5, Loss: 0.0757, Train Acc: 97.01%
Validation Acc: 95.72%
Epoch 3/5, Loss: 0.0613, Train Acc: 97.61%
Validation Acc: 96.83%
Epoch 4/5, Loss: 0.0502, Train Acc: 98.02%
Validation Acc: 97.70%
Epoch 5/5, Loss: 0.0405, Train Acc: 98.34%
Validation Acc: 97.36%

Final test evaluation

[1]: !nvidia-smi

Fri Dec 5 04:57:46 2025
+-----+
| NVIDIA-SMI 570.172.08      Driver Version: 570.172.08    CUDA Version: 12.8     |
+-----+-----+
| GPU   Name                               Persistence-M | Bus-Id  Disp.A | Volatile Uncorr. ECC |
+-----+-----+-----+-----+

```

https://www.kaggle.com/code/tegaajughemre/fake-face-detection/edit

FAKE_FACE_DETECTI... Failed to save draft.

File Edit View Run Settings Add-ons Help

Share Save Version 1

+ - ✂️ 📄 📄 ▶️ ▶️▶️ Run All Code ▾

● Draft Session (6h:9m)

```
[0]: model.eval()
test_correct, test_total = 0, 0
with torch.no_grad():
    for images, labels in test_loader:
        images, labels = images.to(device), labels.to(device)
        outputs = model(images)
        _, predicted = torch.max(outputs, 1)
        test_correct += (predicted == labels).sum().item()
        test_total += labels.size(0)

print(f"Final Test Accuracy: {100 * test_correct / test_total:.2f}%")

Final Test Accuracy: 97.35%

from sklearn.metrics import confusion_matrix, classification_report, roc_curve, auc
import matplotlib.pyplot as plt
import seaborn as sns
import numpy as np

# Collect predictions and true labels
```

FAKE_FACE_DETECTI...
Failed to save draft.

File Edit View Run Settings Add-ons Help

+

Cancel Run

Code

Draft Session (4h:31m)

```
_, predicted = torch.max(outputs, 1)
val_correct += (predicted == labels).sum().item()
val_total += labels.size(0)
val_acc = 100 * val_correct / val_total
print(f"Validation Acc: {val_acc:.2f}%")
```

Epoch 1/5, Loss: 0.1224, Train Acc: 95.09%
Validation Acc: 95.40%
Epoch 2/5, Loss: 0.0757, Train Acc: 97.01%
Validation Acc: 95.72%
Epoch 3/5, Loss: 0.0613, Train Acc: 97.61%
Validation Acc: 96.83%
Epoch 4/5, Loss: 0.0502, Train Acc: 98.02%
Validation Acc: 97.70%
Epoch 5/5, Loss: 0.0405, Train Acc: 98.34%
Validation Acc: 97.36%

Final test evaluation

Notebook

Input

+ Add Input Upload

DATASETS

final-dataset

Output (72KiB / 19.5GiB)

/kaggle/working

Table of contents

FAKE_FACE_DETECTI...
Failed to save draft.

File Edit View Run Settings Add-ons Help

+

Run All

Code

Draft Session (4h:40m)

Processes:

GPU	GI	CI	PID	Type	Process name	GPU Memory Usage
ID	ID	ID				
No running processes found						

+ Code + Markdown

```
model.eval()
test_correct, test_total = 0, 0
with torch.no_grad():
    for images, labels in test_loader:
        images, labels = images.to(device), labels.to(device)
        outputs = model(images)
        _, predicted = torch.max(outputs, 1)
        test_correct += (predicted == labels).sum().item()
        test_total += labels.size(0)

print(f"Final Test Accuracy: {100 * test_correct / test_total:.2f}%")
```

Final Test Accuracy: 97.35%

+ Code + Markdown

Notebook

Input

+ Add Input Upload

DATASETS

final-dataset

Output (72KiB / 19.5GiB)

/kaggle/working

Table of contents



