

```
1 C:\Users\User\PycharmProjects\imageclassification\.  
  venv\Scripts\python.exe C:\Users\User\PycharmProjects  
  \imageclassification\main.py  
2 Torch Version: 2.5.1+cu121  
3 Cuda Available: True  
4 Cuda: 12.1  
5 ▯ ▯▯▯▯: C:\Users\User\PycharmProjects\  
  imageclassification\training_set\training_set  
6 ▯ ▯▯▯▯: ['cats', 'dogs']  
7 ▯ ▯▯▯▯▯▯▯: C:\Users\User\PycharmProjects\  
  imageclassification\training_set\training_set  
8 ▯ ▯▯▯▯: 6404, ▯▯▯▯: 1601  
9 ▯ ▯▯▯▯: cuda:0  
10 ▯ Epoch [1/10] ▯▯▯▯...  
11 ▯ Epoch [1/10], Loss: 2.1888, Accuracy: 91.79%  
12 ▯ ▯▯▯ Loss: 1.9711, Accuracy: 85.38%  
13  
14 ▯ Epoch [2/10] ▯▯▯▯...  
15 ▯ Epoch [2/10], Loss: 0.6163, Accuracy: 98.28%  
16 ▯ ▯▯▯ Loss: 0.4723, Accuracy: 95.75%  
17  
18 ▯ Epoch [3/10] ▯▯▯▯...  
19 ▯ Epoch [3/10], Loss: 0.3144, Accuracy: 99.19%  
20 ▯ ▯▯▯ Loss: 0.3635, Accuracy: 96.50%  
21  
22 ▯ Epoch [4/10] ▯▯▯▯...  
23 ▯ Epoch [4/10], Loss: 0.2590, Accuracy: 99.28%  
24 ▯ ▯▯▯ Epoch 5: 0%|          | 0/13 [00:00<?, ?it/s  
  ]▯ ▯▯▯ Loss: 0.2085, Accuracy: 97.81%  
25  
26 ▯ Epoch [5/10] ▯▯▯▯...  
27 ▯ Epoch [5/10], Loss: 0.1498, Accuracy: 99.58%  
28 ▯ ▯▯▯ Epoch 6: 0%|          | 0/13 [00:00<?, ?it/s  
  ]▯ ▯▯▯ Loss: 0.7622, Accuracy: 94.57%  
29  
30 ▯ Epoch [6/10] ▯▯▯▯...  
31 ▯ Epoch [6/10], Loss: 0.1006, Accuracy: 99.70%  
32 ▯ ▯▯▯ Loss: 0.2408, Accuracy: 97.94%  
33  
34 ▯ Epoch [7/10] ▯▯▯▯...  
35 ▯ Epoch [7/10], Loss: 0.0450, Accuracy: 99.94%
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36  ▯ ▯▯▯ Loss: 0.1433, Accuracy: 98.81%
37
38  ▯ Epoch [8/10] ▯▯▯▯...
39  ▯ Epoch [8/10], Loss: 0.0354, Accuracy: 99.95%
40  ▯ ▯▯▯ Epoch 9:   0%|                | 0/13 [00:00<?, ?it/s
    ]▯ ▯▯▯ Loss: 0.1531, Accuracy: 98.69%
41
42  ▯ Epoch [9/10] ▯▯▯▯...
43  ▯ Epoch [9/10], Loss: 0.0161, Accuracy: 100.00%
44  ▯ ▯▯▯ Loss: 0.1919, Accuracy: 98.38%
45
46  ▯ Epoch [10/10] ▯▯▯▯...
47  ▯ Epoch [10/10], Loss: 0.0145, Accuracy: 100.00%
48  ▯ ▯▯▯ Loss: 0.1742, Accuracy: 98.44%
49
50  ▯ ▯▯▯▯▯▯ 'cat_dog_classifier.pth'
51
52  Process finished with exit code 0
53
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