

# File - main

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1 C:\Users\bedir\AppData\Local\Programs\Python\Python311\python.exe C:\Users\bedir\Desktop\workspaces\DeepLearning_malaria
  \main.py
2 Found 27558 images belonging to 2 classes.
3 Found 0 images belonging to 0 classes.
4 Epoch 1/5
5 215/215 [=====] - 322s 1s/step - loss: 0.3614 - accuracy: 0.8592
6 Epoch 2/5
7 215/215 [=====] - 318s 1s/step - loss: 0.2583 - accuracy: 0.9006
8 Epoch 3/5
9 215/215 [=====] - 308s 1s/step - loss: 0.2501 - accuracy: 0.9048
10 Epoch 4/5
11 215/215 [=====] - 312s 1s/step - loss: 0.2465 - accuracy: 0.9063
12 Epoch 5/5
13 215/215 [=====] - 322s 1s/step - loss: 0.2388 - accuracy: 0.9071
14 Found 15832 images belonging to 2 classes.
15 124/124 [=====] - 124s 996ms/step
16 Classification Report:
17           precision    recall  f1-score   support
18
19  Parasitized         0.97        0.87         0.92        7952
20  Uninfected          0.88        0.97         0.92        7880
21
22      accuracy
23  macro avg           0.93        0.92         0.92        15832
24  weighted avg           0.93        0.92         0.92        15832
25
26 Confusion Matrix:
27 [[6918 1034]
28  [ 212 7668]]
29 Epoch 1/5
30 215/215 [=====] - 1119s 5s/step - loss: 0.2092 - accuracy: 0.9262
31 Epoch 2/5
32 215/215 [=====] - 1077s 5s/step - loss: 0.1438 - accuracy: 0.9486
33 Epoch 3/5
34 215/215 [=====] - 1065s 5s/step - loss: 0.1326 - accuracy: 0.9541
35 Epoch 4/5
36 215/215 [=====] - 1085s 5s/step - loss: 0.1187 - accuracy: 0.9563
37 Epoch 5/5
38 215/215 [=====] - 1071s 5s/step - loss: 0.1114 - accuracy: 0.9607
39 123/123 [=====] - 119s 962ms/step - loss: 0.0779 - accuracy: 0.9736
40 Test loss: 0.07790245860815048
41 Test accuracy: 0.9735772609710693
42
43 Process finished with exit code 0
44

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