

File: KNN_model
1 "C:\Program Files\Python313\python.exe" "C:\Users\WORK STATION\OneDrive\Desktop\Projects\Micro Credential Course\Hybrid-Vision-Transfer-Classifier\codes\KNN_model.py"
2 2026-02-13 11:16:28.200859: 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 2026-02-13 11:16:52.758357: 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 2026-02-13 11:18:39.679602: I tensorflow/core/platform/cpu_feature_guard.cc:210] This TensorFlow binary is optimized to use available CPU instructions in performance-critical operations.
5 To enable the following instructions: SSE3 SSE4.1 SSE4.2 AVX AVX2 AVX512_VNNI FMA, in other operations, rebuild TensorFlow with the appropriate compiler flags.
6
7 --- PURE KNN METRICS ---
8 Accuracy: 60.12%
9 MCC: 0.6580
10 MSE: 0.0523
11 MAE: 0.0847
12
13 Classification Report:
14 precision recall f1-score support
15
16 Anthrenusose 0.59 0.66 0.62 123
17 Bacterial Canker 0.64 0.90 0.74 86
18 Cutting Weevil 1.00 0.71 0.83 112
19 Die Back 0.69 0.96 0.80 101
20 Gall Midge 0.57 0.49 0.53 104
21 Healthy 0.71 0.58 0.64 90
22 Powdery Mildew 0.70 0.54 0.61 91
23 Sooty Mould 0.67 0.62 0.64 93
24
25 accuracy 0.68 800
26 macro avg 0.69 0.68 0.68 800
27 weighted avg 0.70 0.68 0.68 800
28
29
30 Process finished with exit code 0
31