

1 C:\Program Files\Python313\python.exe" "C:\Users\WORK STATION\OneDrive\Desktop\Projects\Micro Credential Course\Hybrid-Vision-Transfer-Classifer\codes\WNN+BaseModel\CNN+MobileV2.py"
2 2026-02-13 11:38:28.717217: 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 11:38:33.957680: 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 11:38:37.157274: 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 AVXS12F AVXS12F_VNNI FMA, in other operations, rebuild TensorFlow with the appropriate compiler flags.
6
7 =====
8 STABLE HYBRID MODEL REPORT
9 =====
10 Accuracy: 98.25%
11 MCC: 0.9801
12 MSE: 0.0032
13 MAE: 0.0058
14 -----
15 CLASSIFICATION REPORT:
16
17
18 precision recall f1-score support
19 Anthracnose 1.00 0.93 0.96 100
20 Bacterial Canker 1.00 1.00 1.00 100
21 Cutting Weevil 1.00 1.00 1.00 100
22 Die Back 0.99 1.00 1.00 100
23 Gall Midge 0.97 0.98 0.98 100
24 Healthy 0.93 0.99 0.96 100
25 Powdery Mildew 0.98 0.99 0.99 100
26 Sooty Mould 0.99 0.97 0.98 100
27
28 accuracy 0.98 800
29 macro avg 0.98 0.98 0.98 800
30 weighted avg 0.98 0.98 0.98 800
31
32 Process finished with exit code 0
33