

1 C:\Program Files\Python313\python.exe" "C:\Users\WORK STATION\OneDrive\Desktop\Projects\Micro Credential Course\Hybrid-Vision-Transfer-Classifer\codes\KNN\_model.py"  
2 2026-02-13 11:16:28.298539: 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 AVXS12F AVX512\_VNNI FMA, in other operations, rebuild TensorFlow with the appropriate compiler flags.  
6  
7 --- PURE KNN METRICS ---  
8 Accuracy: 68.12%  
9 MCC: 0.6388  
10 MSE: 0.8523  
11 MAE: 0.8847  
12  
13 Classification Report:  
14  
15 precision recall f1-score support  
16 Anthracnose 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 0.68 880  
26 macro avg 0.69 0.68 0.68 880  
27 weighted avg 0.70 0.68 0.68 880  
28  
29  
30 Process finished with exit code 0  
31