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1 "C:\Program Files\Python313\python.exe" "C:\Users\
  WORK STATION\OneDrive\Desktop\Projects\Micro
  Credential Course\SEM-1\KNN+BaseModel(CNN+MobileV2).
  py"
2 2026-01-12 17:06:00.579421: 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 2026-01-12 17:06:09.367342: 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 2026-01-12 17:06:14.427494: 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 AVX512F AVX512_VNNI FMA, in other
  operations, rebuild TensorFlow with the appropriate
  compiler flags.
6 Loading dataset for Hybrid training...
7 Training the Hybrid Classifier...
8
9 =====
10 STABLE HYBRID MODEL REPORT
11 =====
12 Accuracy: 98.25%
13 MSE:      0.0032
14 MAE:      0.0058
15 -----
16 CLASSIFICATION REPORT:
17                precision    recall  f1-score
18 support
19   Anthracnose      1.00      0.93      0.96
20       100
21 Bacterial Canker  1.00      1.00      1.00

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20	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				
33	SUCCESS: Only the Hybrid Classifier has been saved to: C:\Users\WORK STATION\OneDrive\Desktop\Projects\ Micro Credential Course\SEM-1\final_hybrid_model.pkl			
34				
35	Process finished with exit code 0			
36				