

Random Forest - Performance Report

Model: Random Forest

Parameters: {'bootstrap': True, 'ccp_alpha': 0.0, 'class_weight': None, 'criterion': 'gini',

Accuracy: 0.9854
Precision: 1.0000
Recall: 0.9709
F1 Score: 0.9852
ROC-AUC: 0.9854368932038835

Confusion Matrix:
[[102 0]
[3 100]]

Classification Report:

| | precision | recall | f1-score | support |
|--------------|-----------|--------|----------|---------|
| 0 | 0.97 | 1.00 | 0.99 | 102 |
| 1 | 1.00 | 0.97 | 0.99 | 103 |
| accuracy | | | 0.99 | 205 |
| macro avg | 0.99 | 0.99 | 0.99 | 205 |
| weighted avg | 0.99 | 0.99 | 0.99 | 205 |

Feature Importance:
[0.07790832 0.02873106 0.13507197 0.07117088 0.0748222 0.0084436
0.01855691 0.12216865 0.05759449 0.12190472 0.04578201 0.12732705
0.11051815]