(Final\_Project\_Robo) ruturaj\_vasant@Ruturajs-MacBook-Pro Project % /Users/ruturaj\_vasant/Desktop/Academic/RoboAdvisors/Project/F

inal\_Project\_Robo/bin/python /Users/ruturaj\_vasant/Desktop/Academic/RoboAdvisors/Project/src/model\_training.py

✅ Classification Report

precision recall f1-score support

0 0.45 0.21 0.29 124

1 0.55 0.79 0.65 153

accuracy 0.53 277

macro avg 0.50 0.50 0.47 277

weighted avg 0.51 0.53 0.49 277

2025-05-05 06:13:16.767 Python[94379:3067353] The class 'NSSavePanel' overrides the method identifier. This method is implemented by class 'NSWindow'

✅ Classification Report (Threshold = 0.4)

/Users/ruturaj\_vasant/Desktop/Academic/RoboAdvisors/Project/Final\_Project\_Robo/lib/python3.12/site-packages/sklearn/metrics/\_classification.py:1565: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 in labels with no predicted samples. Use `zero\_division` parameter to control this behavior.

\_warn\_prf(average, modifier, f"{metric.capitalize()} is", len(result))

/Users/ruturaj\_vasant/Desktop/Academic/RoboAdvisors/Project/Final\_Project\_Robo/lib/python3.12/site-packages/sklearn/metrics/\_classification.py:1565: UndefinedMetricWarning: Precision is ill-defined and being set to 0.0 in labels with no predicted samples. Use `zero\_division` parameter to control this behavior.

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\_warn\_prf(average, modifier, f"{metric.capitalize()} is", len(result))

precision recall f1-score support

0 0.00 0.00 0.00 124

1 0.55 1.00 0.71 153

accuracy 0.55 277

macro avg 0.28 0.50 0.36 277

weighted avg 0.31 0.55 0.39 277

(Final\_Project\_Robo) ruturaj\_vasant@Ruturajs-MacBook-Pro Project % /Users/ruturaj\_vasant/Desktop/Academic/RoboAdvisors/Project/F

inal\_Project\_Robo/bin/python /Users/ruturaj\_vasant/Desktop/Academic/RoboAdvisors/Project/src/model\_training.py

✅ Classification Report

precision recall f1-score support

0 0.45 0.21 0.29 124

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accuracy 0.53 277

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✅ Classification Report (Threshold = 0.4)

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precision recall f1-score support

0 0.00 0.00 0.00 124

1 0.55 1.00 0.71 153

accuracy 0.55 277

macro avg 0.28 0.50 0.36 277

weighted avg 0.31 0.55 0.39 277

📊 Threshold Sweep Report

Threshold: 0.10 | Precision: 0.55 | Recall: 1.00 | F1-Score: 0.71

Threshold: 0.20 | Precision: 0.55 | Recall: 1.00 | F1-Score: 0.71

Threshold: 0.30 | Precision: 0.55 | Recall: 1.00 | F1-Score: 0.71

Threshold: 0.40 | Precision: 0.55 | Recall: 1.00 | F1-Score: 0.71

Threshold: 0.50 | Precision: 0.55 | Recall: 0.79 | F1-Score: 0.65

Threshold: 0.60 | Precision: 0.62 | Recall: 0.08 | F1-Score: 0.15

Threshold: 0.70 | Precision: 0.00 | Recall: 0.00 | F1-Score: 0.00

Threshold: 0.80 | Precision: 0.00 | Recall: 0.00 | F1-Score: 0.00