



Comparative Model Performance Table

Model	Accuracy	Precision	Recall	F1 Score	Notes
Logistic Regression	0.5868	0.07780	0.5117	0.1354	Balanced recall but low accuracy/precision
Decision Tree	0.1179	0.06512	0.9729	0.1215	Very high recall but accuracy very poor
Random Forest (500 trees, threshold = 0.4)	0.7589	0.08202	0.2771	0.1266	Most balanced with good accuracy & fair precision 