

Table 1: Comparison of Classical and Quantum Models on Various Metrics

Models	Model Name	Metrics				
		Accuracy	Precision	Recall	F1-score	ROC Score
Classical Models	SVM	0.94	0.99	0.91	0.95	0.98
	ANN	0.95	0.98	0.94	0.96	0.99
Quantum Models	QSVM ^A	0.91	0.94	0.90	0.92	0.94
	QSVM ^B	0.91	0.98	0.85	0.91	0.97
	QNN ^A	0.42	0.40	0.05	0.096	0.35
	QNN ^B	0.60	1.0	0.30	0.46	0.92
	Hybrid Q Model ^A	0.91	0.94	0.90	0.92	0.95
	Hybrid Q Model ^B	0.80	0.88	0.75	0.81	0.88

A - Angle Embedding

B - Amplitude Embedding