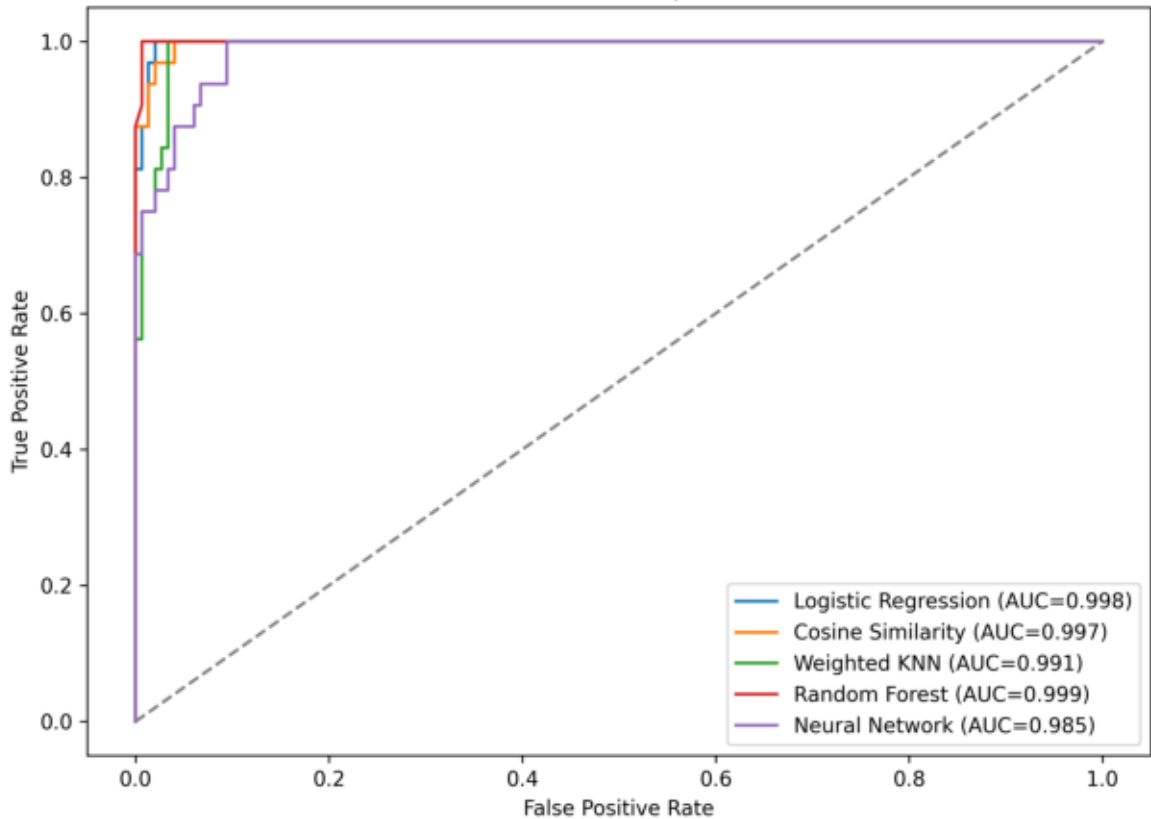


Model Performance Summary

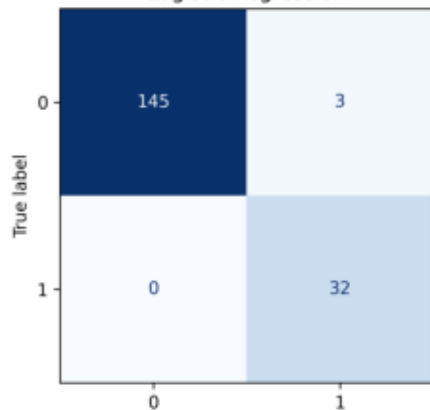
| Model | Accuracy | Precision | Recall | F1 | ROC-AUC |
|---------------------|----------|-----------|--------|--------|---------|
| Logistic Regression | 0.9833 | 0.9143 | 1.0 | 0.9552 | 0.9977 |
| Random Forest | 0.9778 | 1.0 | 0.875 | 0.9333 | 0.9993 |
| Cosine Similarity | 0.9667 | 0.8421 | 1.0 | 0.9143 | 0.9973 |
| Weighted KNN | 0.9444 | 0.8438 | 0.8438 | 0.8438 | 0.9913 |
| Neural Network | 0.9444 | 0.8235 | 0.875 | 0.8485 | 0.9854 |

ROC Curve Comparison

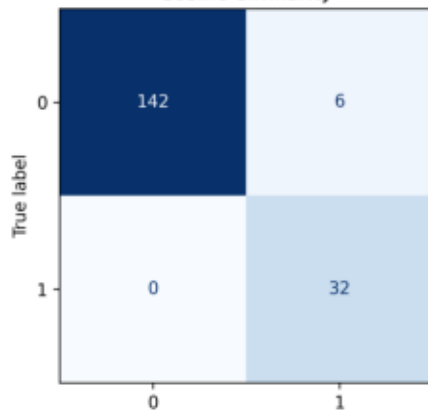


Confusion Matrices

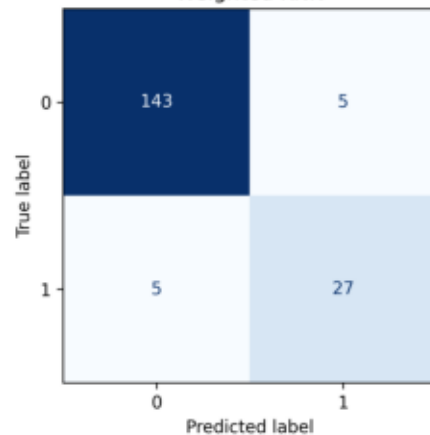
Logistic Regression



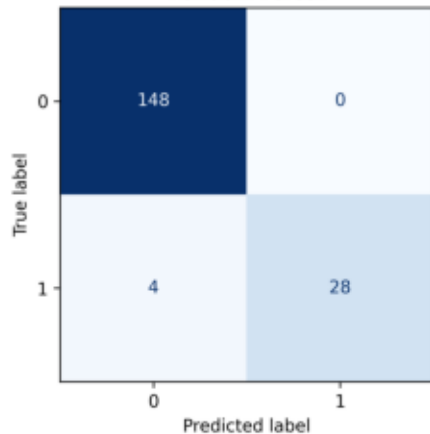
Cosine Similarity



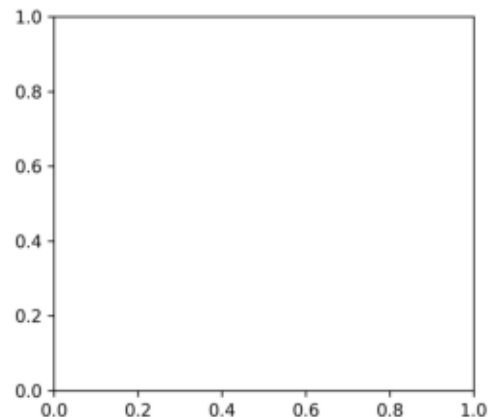
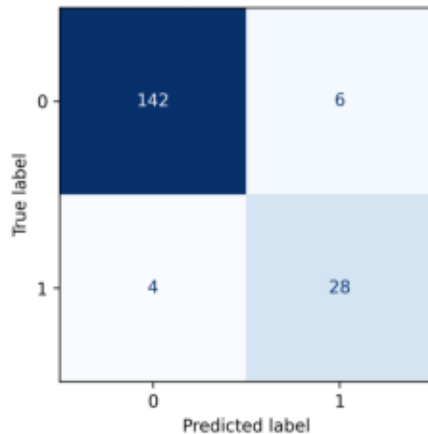
Weighted KNN



Random Forest



Neural Network



Performance Radar Chart

