

EMPIRICAL RESULTS

Models	Training	Validation	Testing			
	Accuracy	Accuracy	Accuracy	Precision	Recall	F-1 Score
SVM	93.5%	91.3%	91.3%	91.5%	91.4%	91.3%
XGBoost	92.9%	90.5%	90.6%	90.8%	90.7%	90.6%
BiLSTM	96.3%	94.5%	95.2%	95.4%	95.2%	95.2%
CNN	94.2%	93.2%	92.6%	92.8%	92.6%	92.5%

Table 1 . Results summary for all models

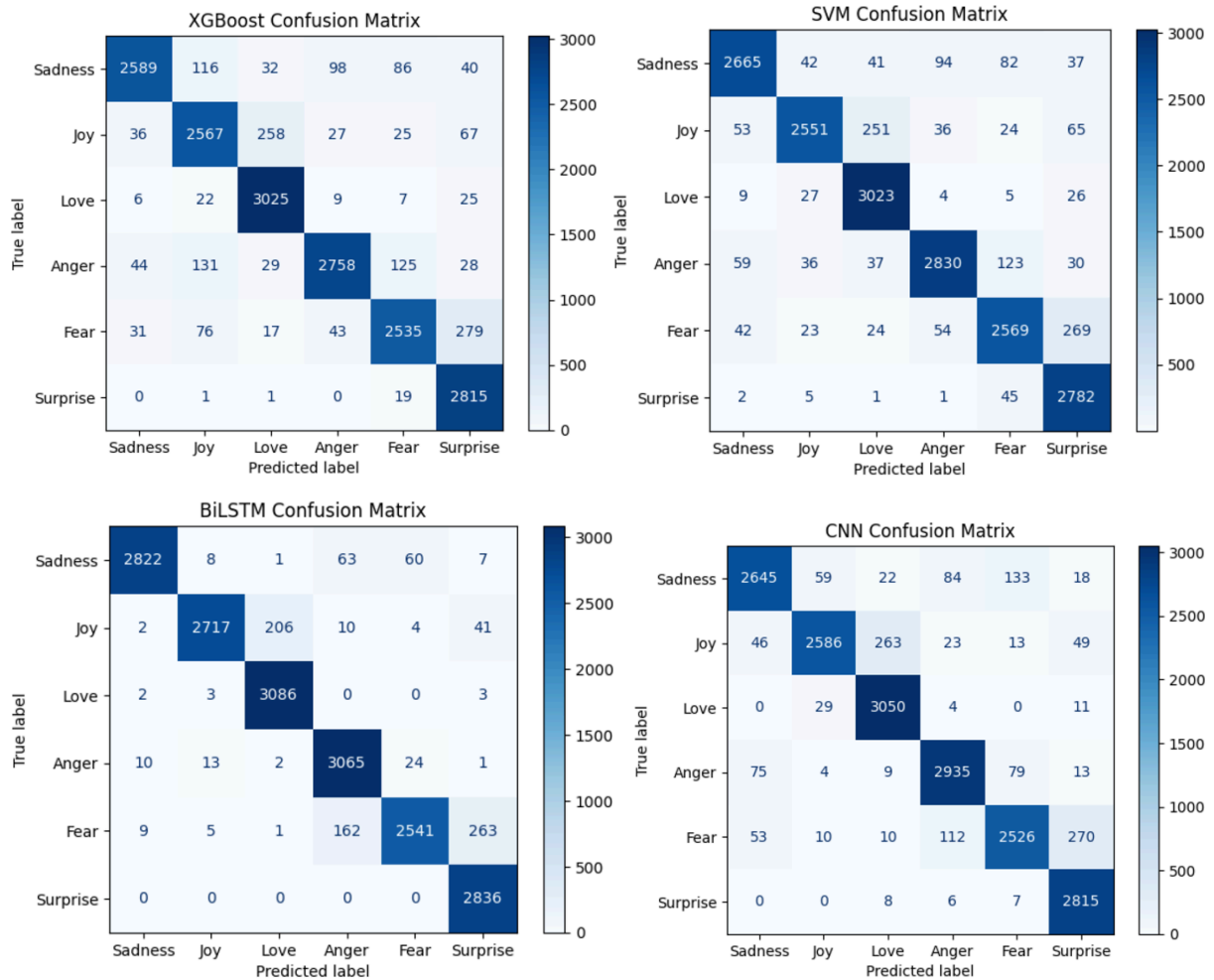


Fig 2 Confusion Matrixs for all Models