

ANLP ASSIGNMENT: BERT QUANTIZATION (PTQ & QAT) ON DAIR-AI/EMOTION DATASET

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Link to github: https://github.com/sinhajiya/hf_emotion_classifier.git

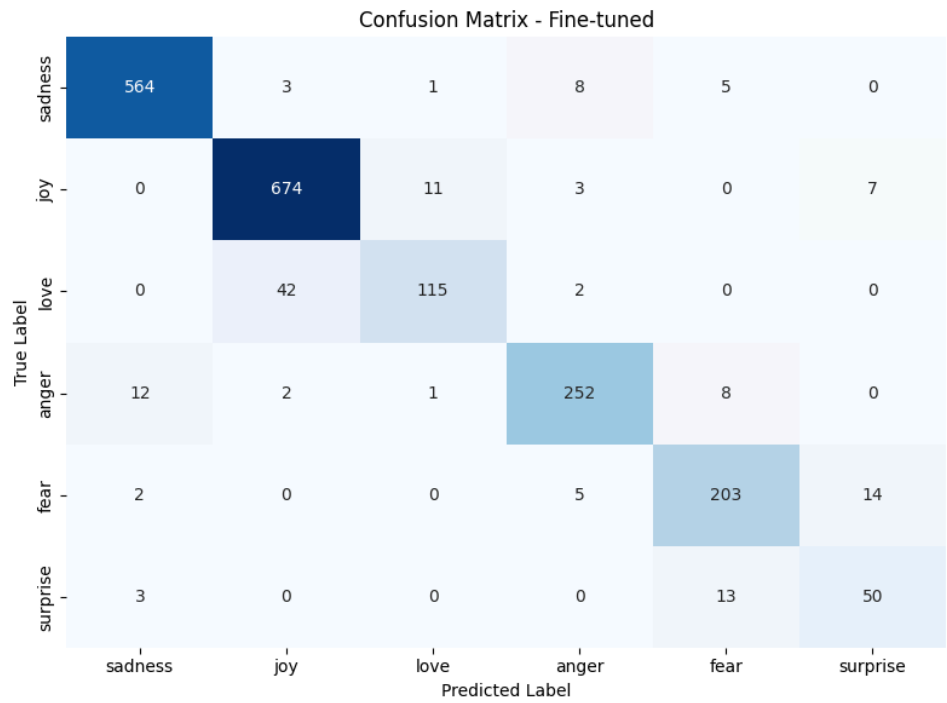
Link to model metrics saved in google drive

1. METRICS

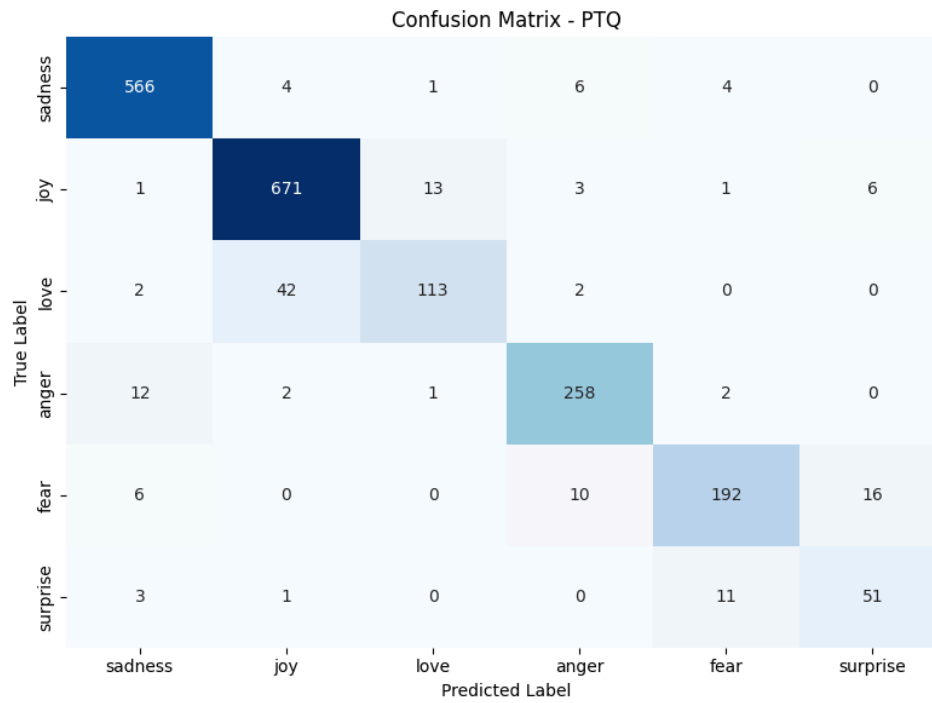
	Accuracy	Macro F1 score	Latency (ms/sample)	Model Size (in MB)
Fine Tuning	0.93	0.88	33.57	471.67
PTQ	0.92	0.87	257.57	91.09
QAT	0.92	0.88	1684.89	418.95
QLoRA	0.73	0.54	15.49	419.93

2. CONFUSION MATRIX

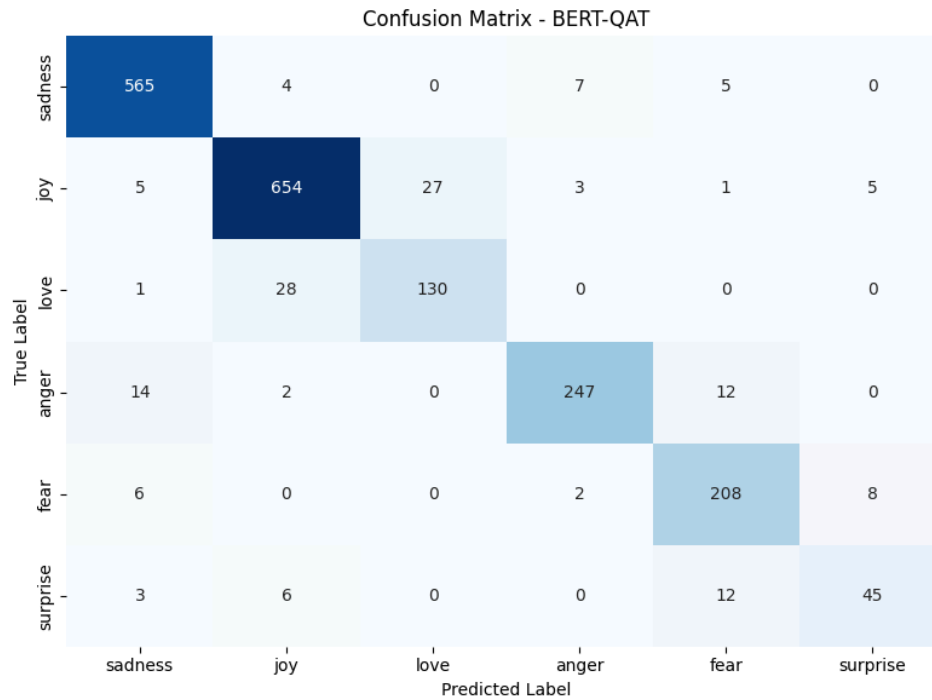
2.1. Fine tuned model.



2.2. PTQ Model.



2.3. QAT Model.



2.4. QLoRA.

