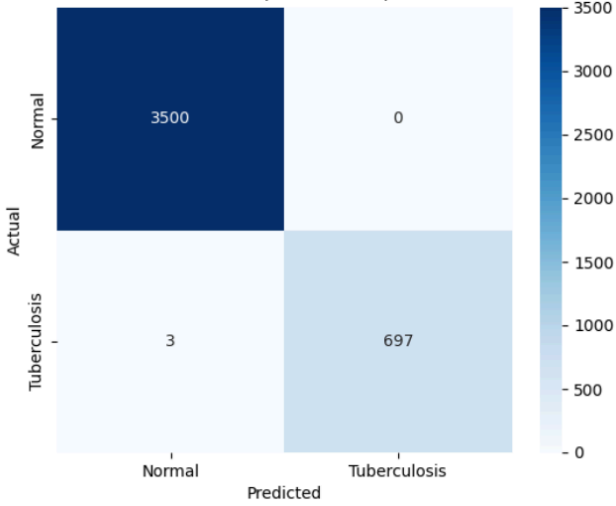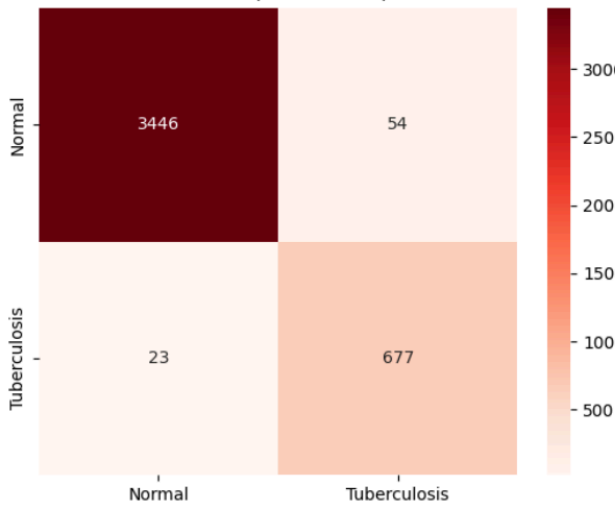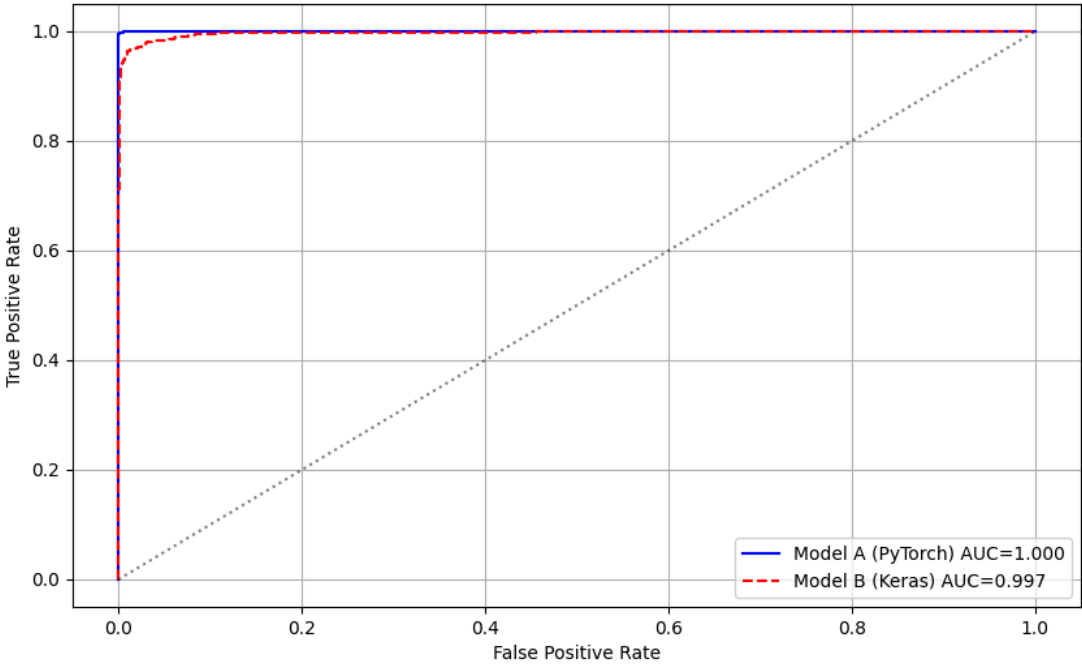| Training Dataset	
Our model	Existing model
Threshold : 0.25 Accuracy: **0.9993** Normal Precision: **0.9991** Tuberculosis Recall: **0.9957** F1 Score (TB): **0.9979** ROC AUC: **1.0000**	Threshold: 0.9600 Accuracy: 0.9817 Normal Precision: 0.9934 Tuberculosis Recall: 0.9671 F1 Score (TB): 0.9462 ROC AUC: 0.9972

ROC Curve Comparison

External Dataset	
Our model	Existing model
Selected Threshold: 0.0400 Accuracy: **0.9338** Normal Precision: **0.7955** Tuberculosis Recall: **0.9563** F1 Score (TB): **0.9600** ROC AUC: **0.9666**	Selected Threshold: 0.5100 Accuracy: 0.9169 Normal Precision: 0.7063 Tuberculosis Recall: 0.9246 F1 Score (TB): 0.9486 ROC AUC: 0.9566

ROC Curve Comparison

Model A (PyTorch) AUC=0.967
Model B (Keras) AUC=0.957