

**Table II: Fine-tuned Model Performance**

Model	Accuracy	Precision	Recall	F1-Score	AUC-ROC	Params
MobileNetV2 (Primary)	97.40%	0.9750	0.9740	0.9740	0.9991	2.2M
ResNet-50	96.97%	0.9699	0.9697	0.9695	0.9989	23.5M
Swin-T	97.84%	0.9786	0.9784	0.9784	0.9993	27.5M
ViT-B/16	93.51%	0.9374	0.9351	0.9348	0.9856	85.8M