

Table III: Impact of Transfer Learning

| Model | Fine-tuned | Baseline | Improvement | % Gain |
|-------------|------------|----------|-------------|--------|
| MobileNetV2 | 97.40% | 83.55% | +13.85% | +16.5% |
| ResNet-50 | 96.97% | 82.25% | +14.72% | +17.9% |
| ViT-B/16 | 91.34% | 64.07% | +27.27% | +42.6% |
| Swin-T | 96.54% | 58.44% | +38.10% | +65.2% |