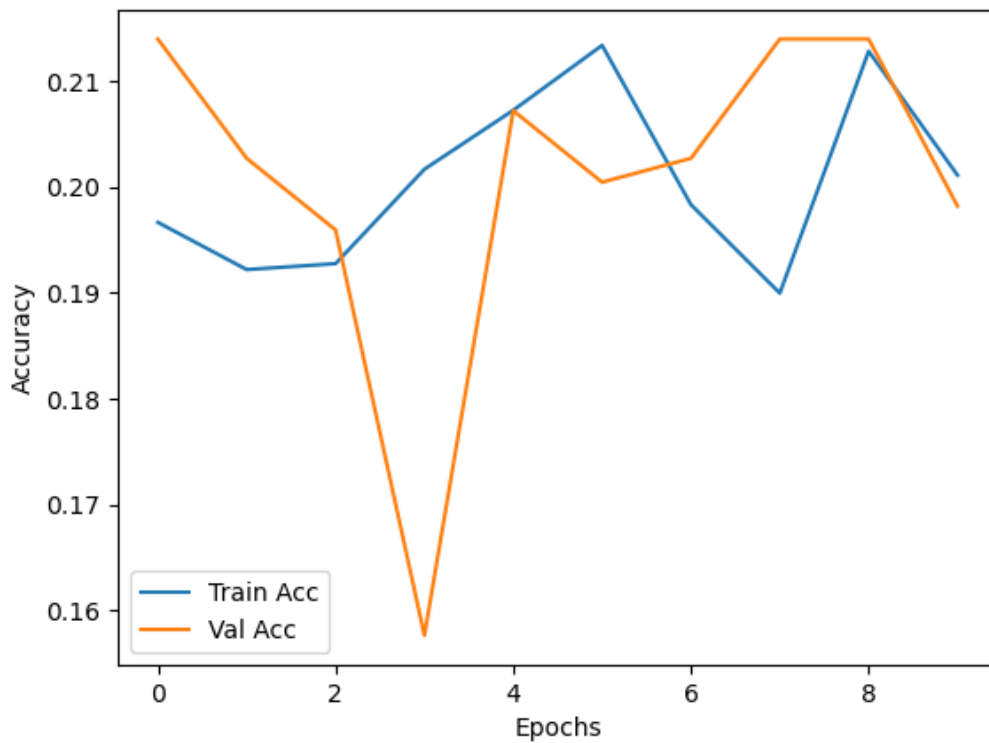# Skin Cancer Detection Report

Objective:
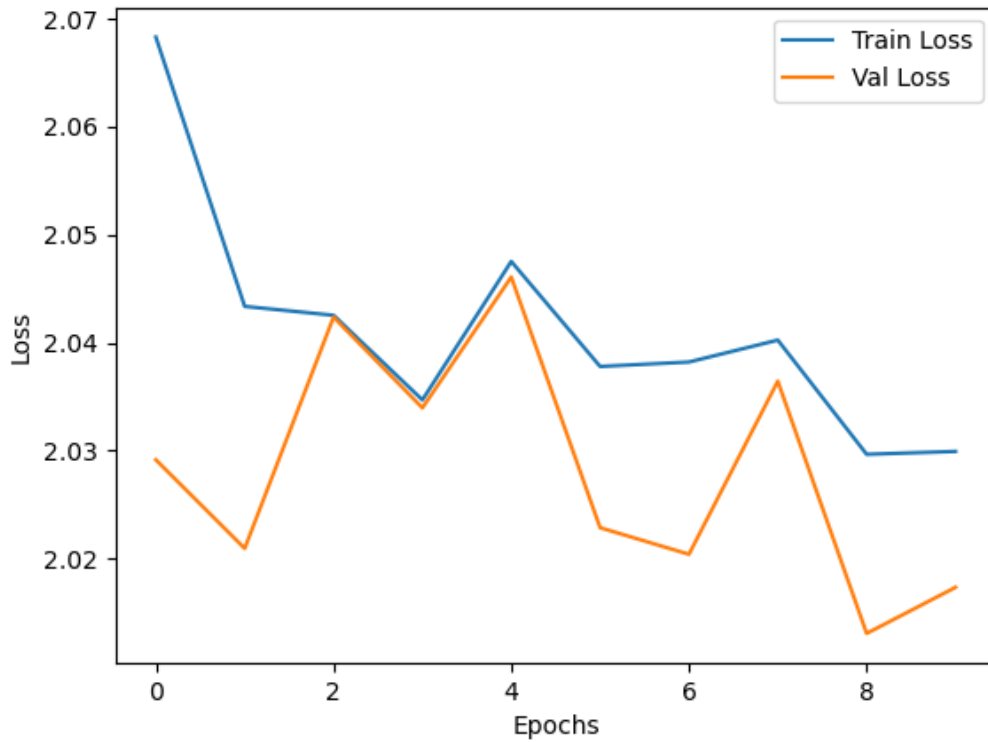
The objective is to develop a ResNet50-based model to classify dermoscopic images of skin cancer into multiple categories.
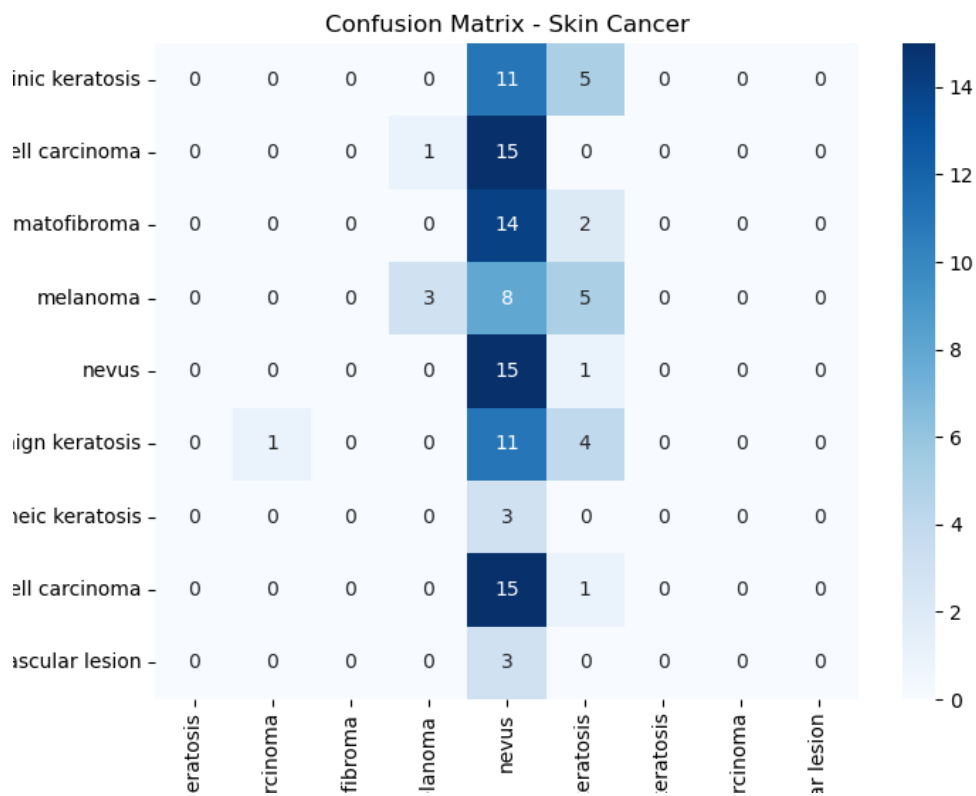
Test Accuracy: 0.19

Training and Validation Accuracy

Training and Validation Loss

Confusion Matrix

Confusion Matrix - Skin Cancer

ROC Curves

ROC Curve - Skin Cancer

- actinic keratosis (AUC = 0.56)
- basal cell carcinoma (AUC = 0.70)
- dermatofibroma (AUC = 0.65)
- melanoma (AUC = 0.73)
- nevus (AUC = 0.42)
- pigmented benign keratosis (AUC = 0.63)
- seborrheic keratosis (AUC = 0.47)
- squamous cell carcinoma (AUC = 0.65)
- vascular lesion (AUC = 0.50)