

Figure 1. GradCAM heatmap for deformable convolutional layer. Left: original image, middle: heatmap, right: overlay on the image.

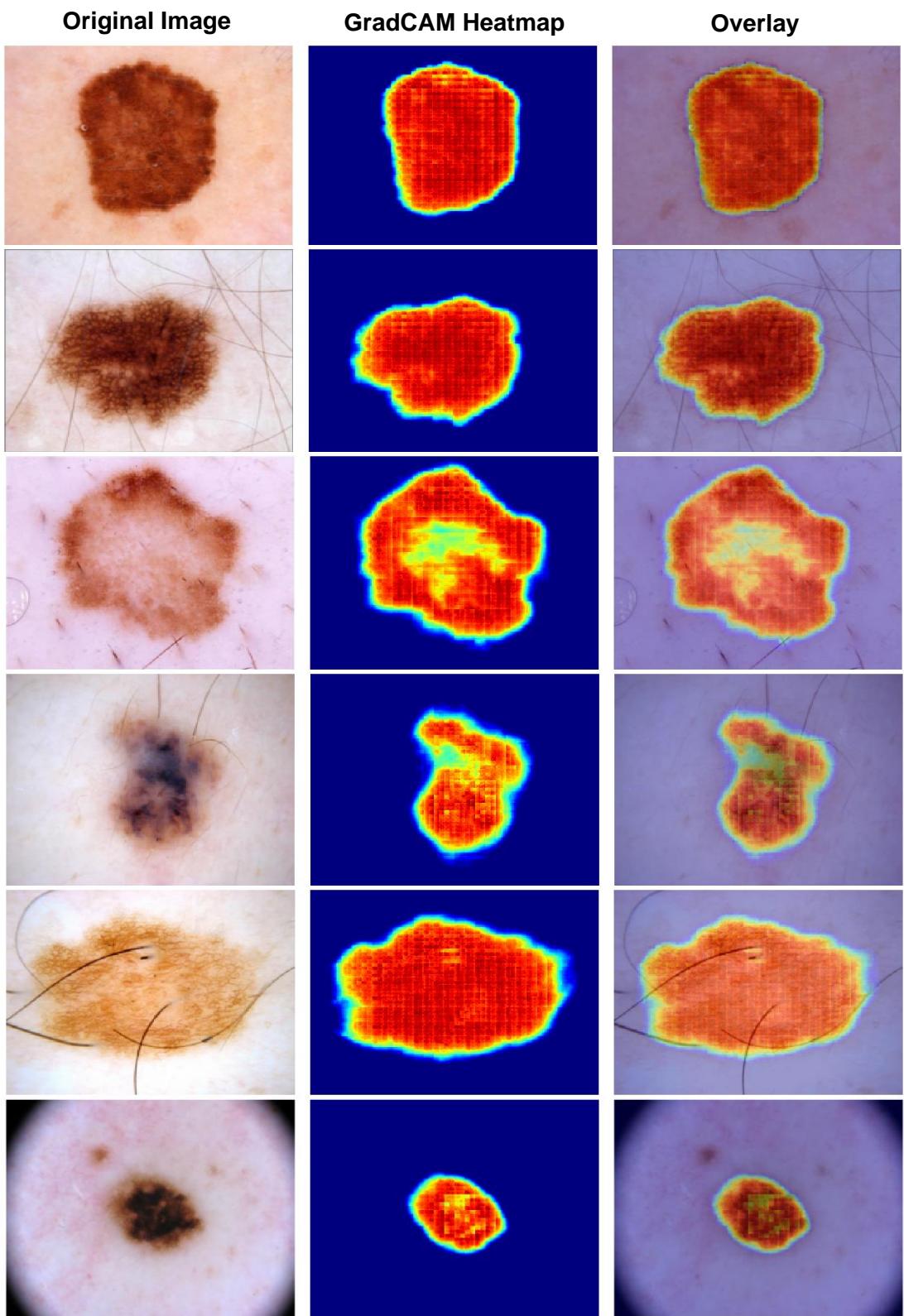


Figure 2. GradCAM heatmap for the last layer showing accurate boundary prediction for skin lesions. Left: original image, middle: heatmap, right: overlay on the image.

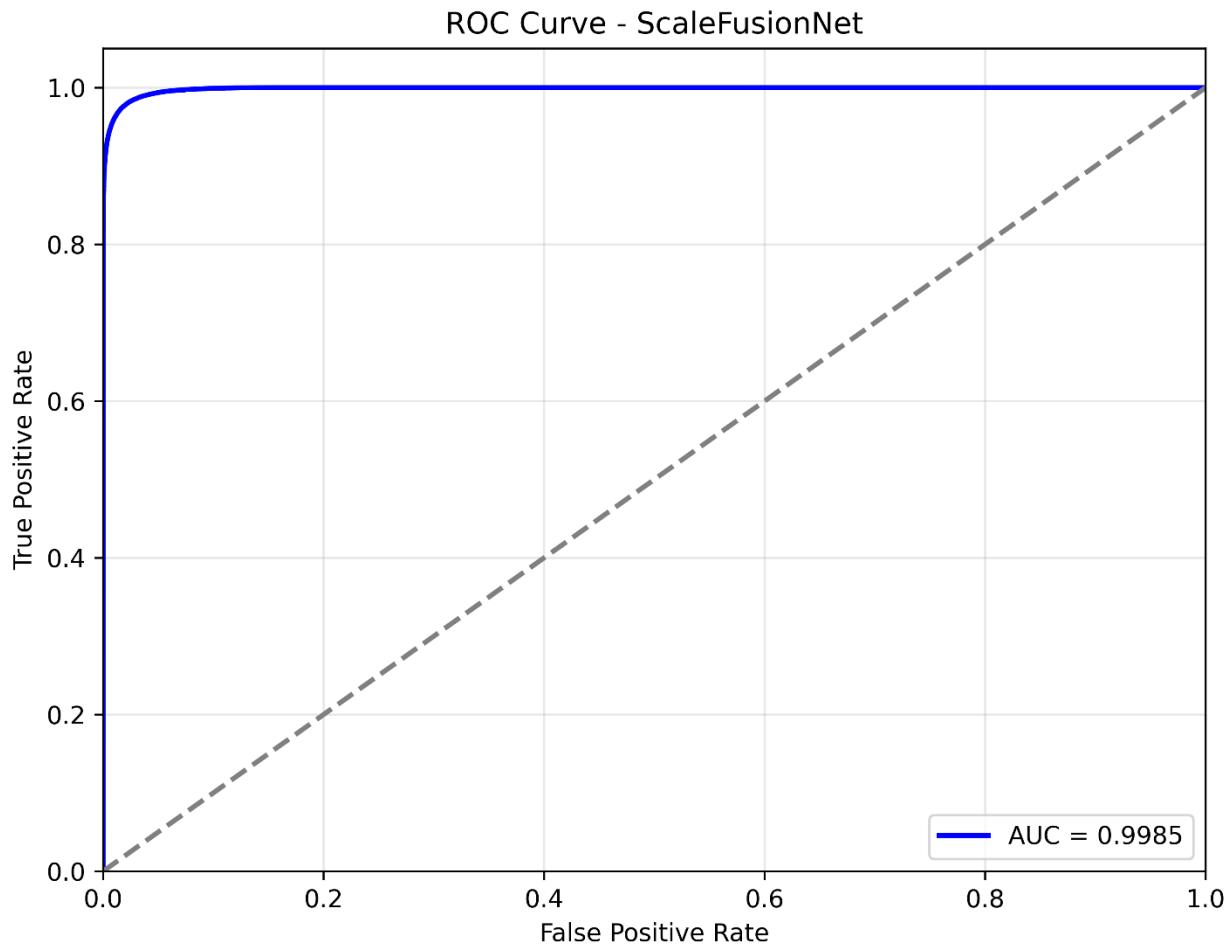


Figure 3. ROC curve of ScaleFusionNet on the ISIC-2018 test set, achieving an AUC of 0.9985, which indicates near-perfect separation between lesion and non-lesion pixels. The curve's proximity to the top-left corner reflects the model's robustness, aligning with its high sensitivity and specificity reported in Table 2.