Method	accuracy	loss	val_accuracy	val_loss
resnet50	0.5446	0.9168	0.5492	0.9345
vgg19	0.8259	0.4568	0.7951	0.5094
Mobilenet	0.9314	0.1625	0.9508	0.1235
Efficientnet	0.4292	1.0749	0.4180	1.0731
R-CNN	0.9730	0.0814	0.9180	0.5545

Resnet50:

```
Classification Report: resnet50
                 precision    recall  f1-score   support
          Crack       0.00      0.00      0.00        54
        Pothole       0.71      0.65      0.68        46
 Surface Erosion       0.57      0.93      0.71        92

       accuracy                           0.60       192
      macro avg       0.43      0.53      0.46       192
   weighted avg       0.45      0.60      0.50       192
```
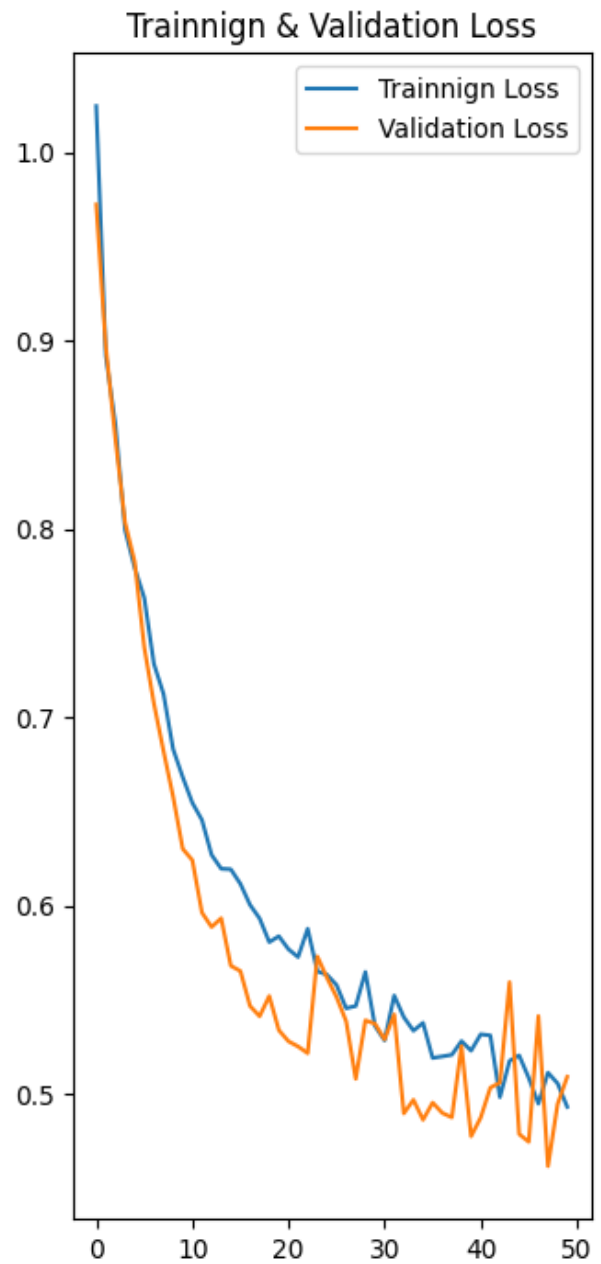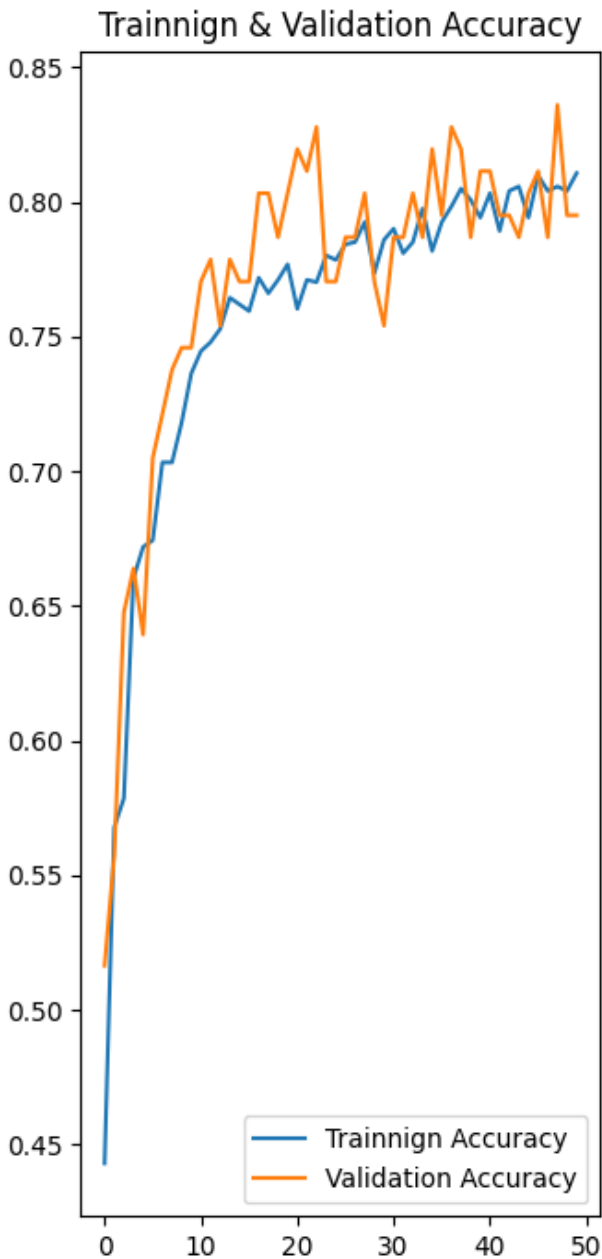

Trainnign & Validation Accuracy / Trainnign & Validation Loss
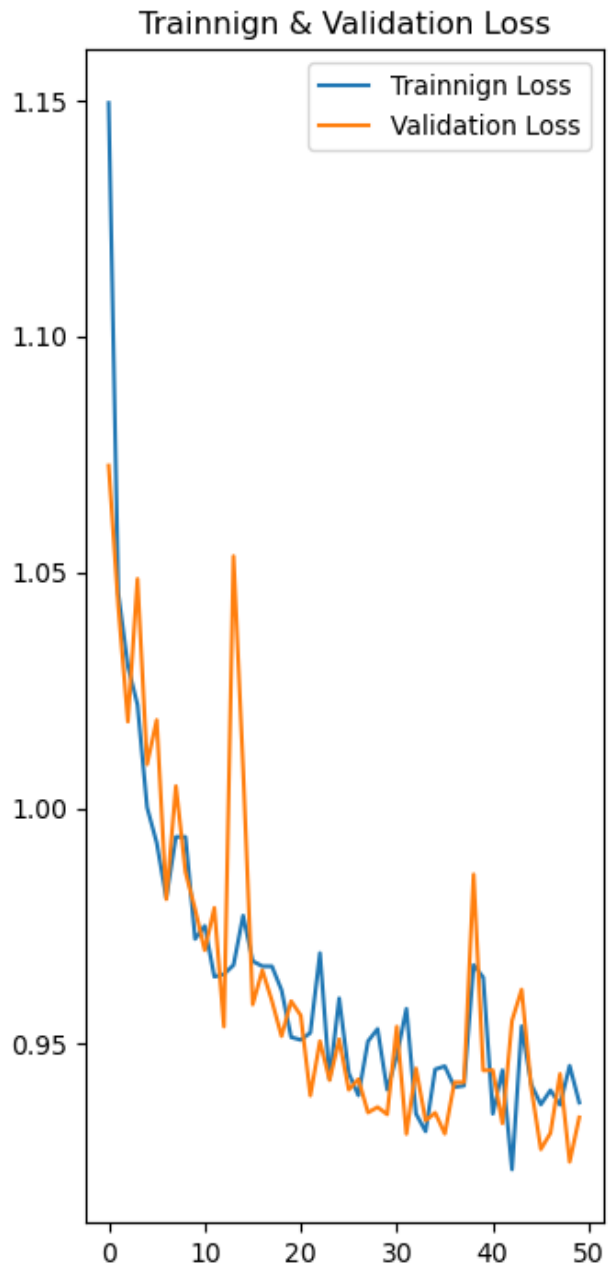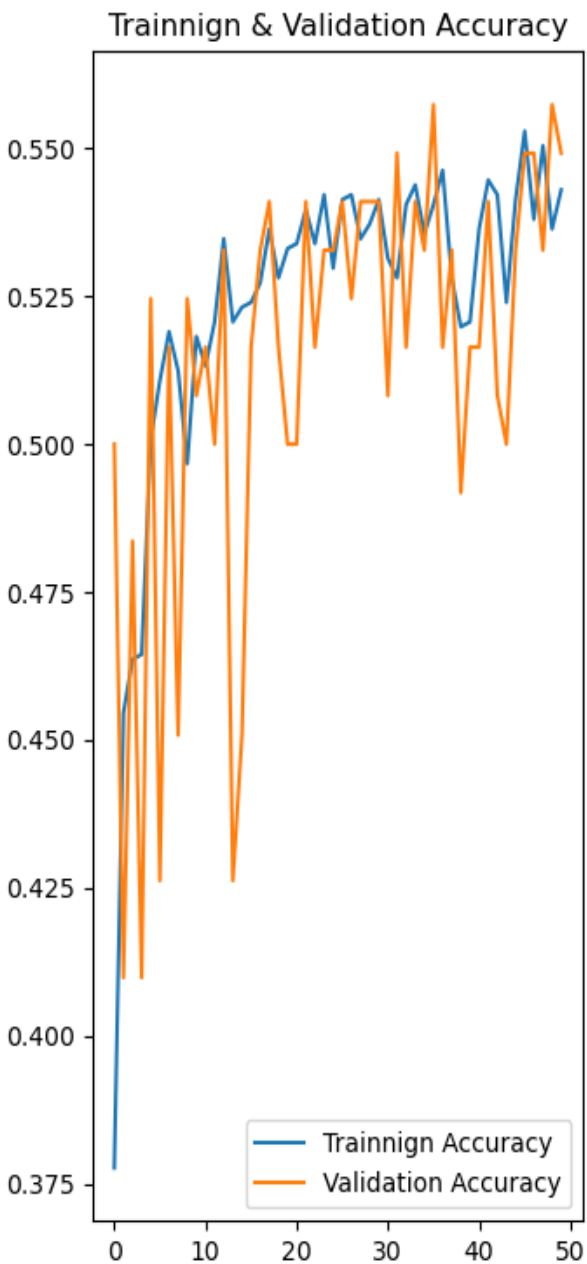
Vgg19:

```
Classification Report: vgg19
                 precision    recall  f1-score   support
          Crack       0.95      0.78      0.85        68
        Pothole       1.00      0.63      0.78        49
Surface Erosion       0.69      0.96      0.80        75

       accuracy                           0.81       192
      macro avg       0.88      0.79      0.81       192
   weighted avg       0.86      0.81      0.81       192
```
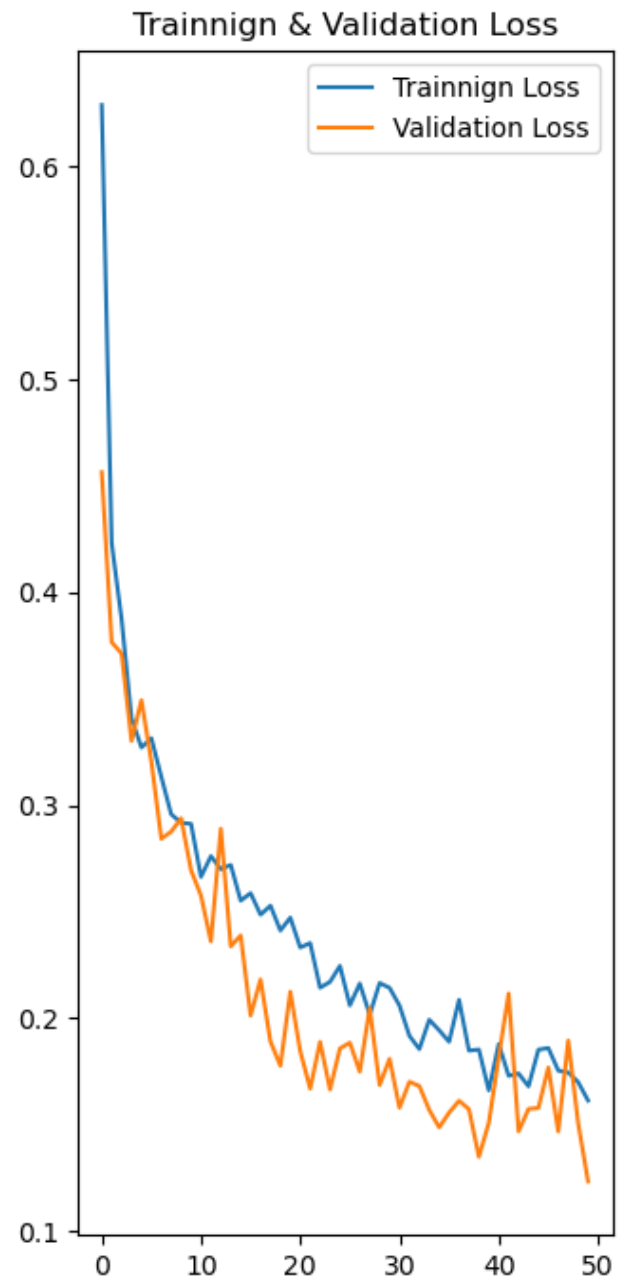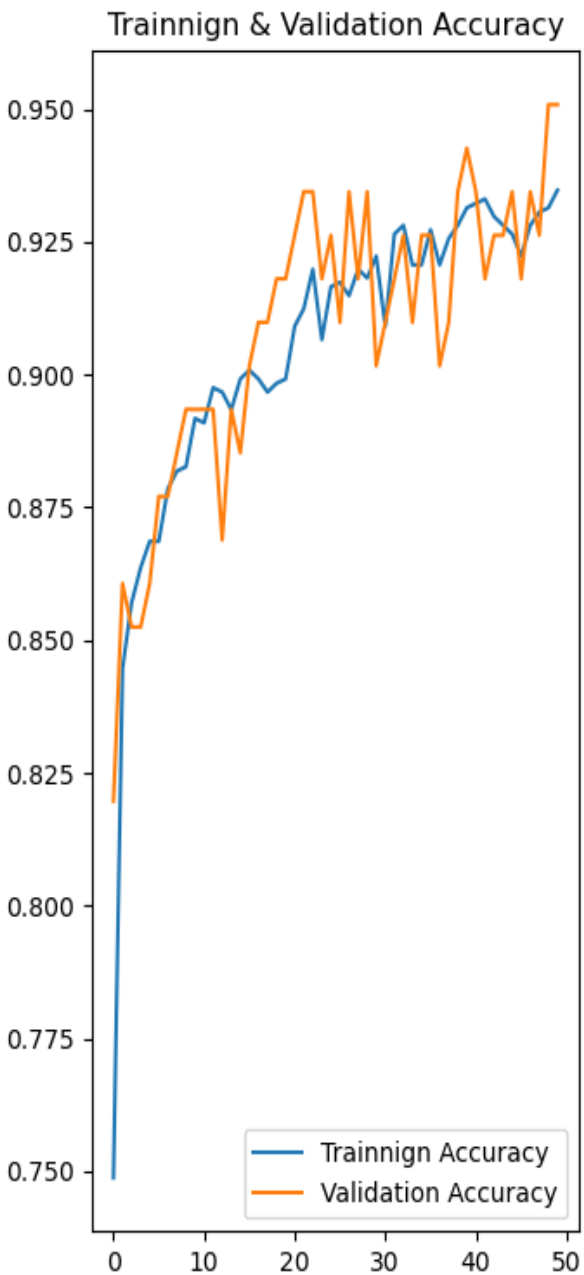
Mobilenet:

```
Classification Report:
                 precision    recall  f1-score   support
         Crack        0.92      0.95      0.94        63
       Pothole        0.89      0.89      0.89        37
Surface Erosion        0.92      0.90      0.91        92

      accuracy                            0.92       192
     macro avg        0.91      0.92      0.91       192
  weighted avg        0.92      0.92      0.92       192
```
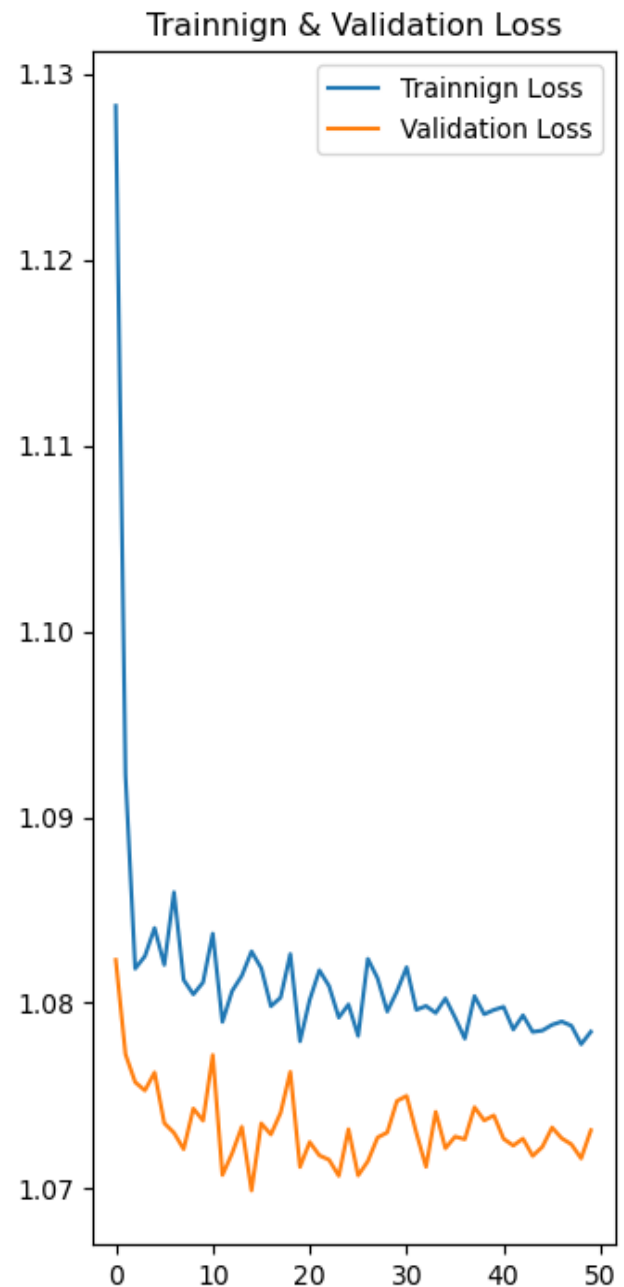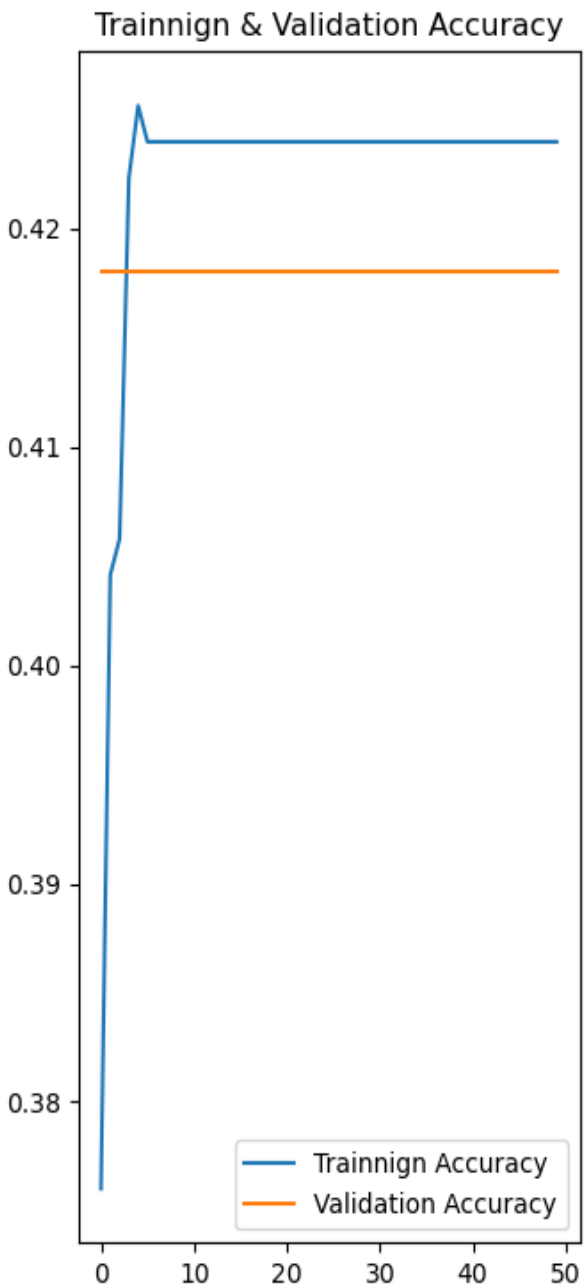
Efficientnet:

```
Classification Report:
                precision     recall  f1-score     support
         Crack        0.00       0.00      0.00          65
       Pothole        0.00       0.00      0.00          53
Surface Erosion        0.39       1.00      0.56          74

      accuracy                             0.39         192
     macro avg        0.13       0.33      0.19         192
  weighted avg        0.15       0.39      0.21         192
```

RCNN:

```
Classification Report:
                 precision    recall  f1-score   support
          Crack       0.97      0.97      0.97        60
        Pothole       0.96      0.94      0.95        54
Surface Erosion       0.95      0.96      0.96        78

       accuracy                           0.96       192
      macro avg       0.96      0.96      0.96       192
   weighted avg       0.96      0.96      0.96       192
```


Trainnign & Validation Accuracy — Trainnign & Validation Loss