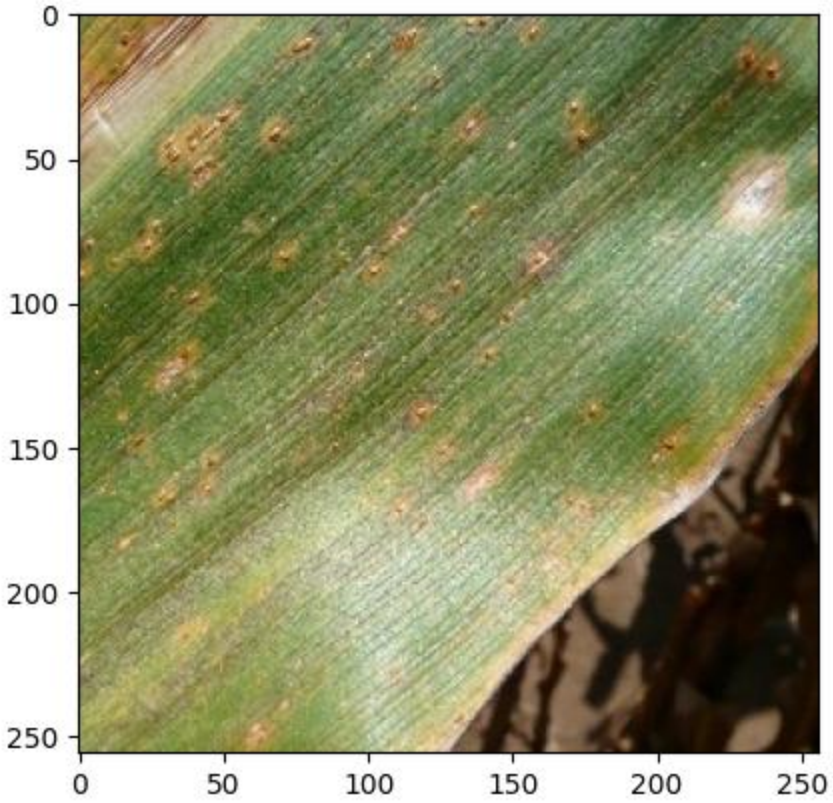
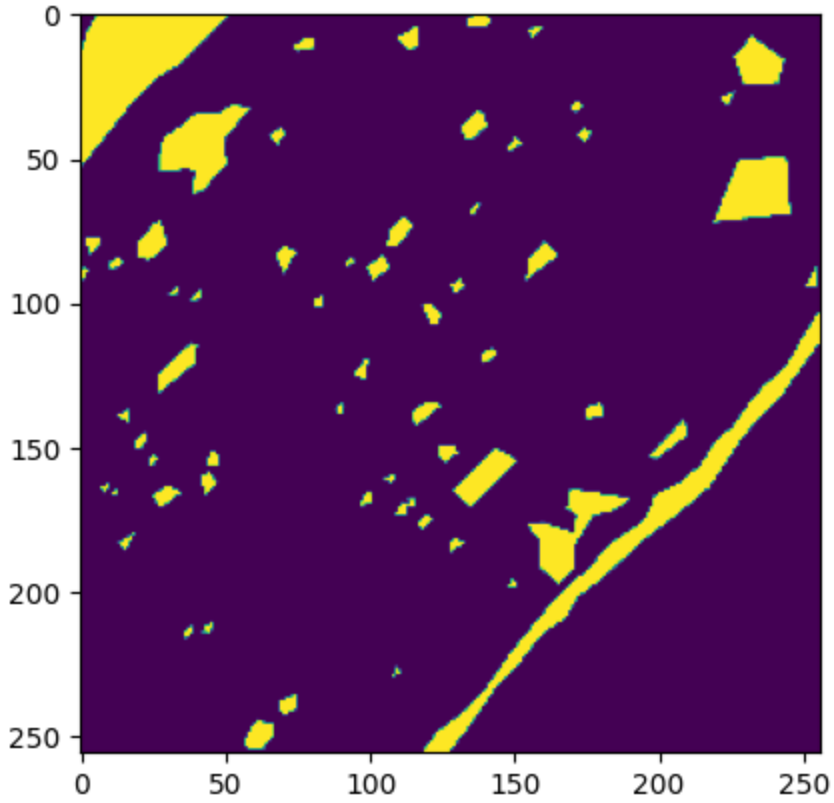
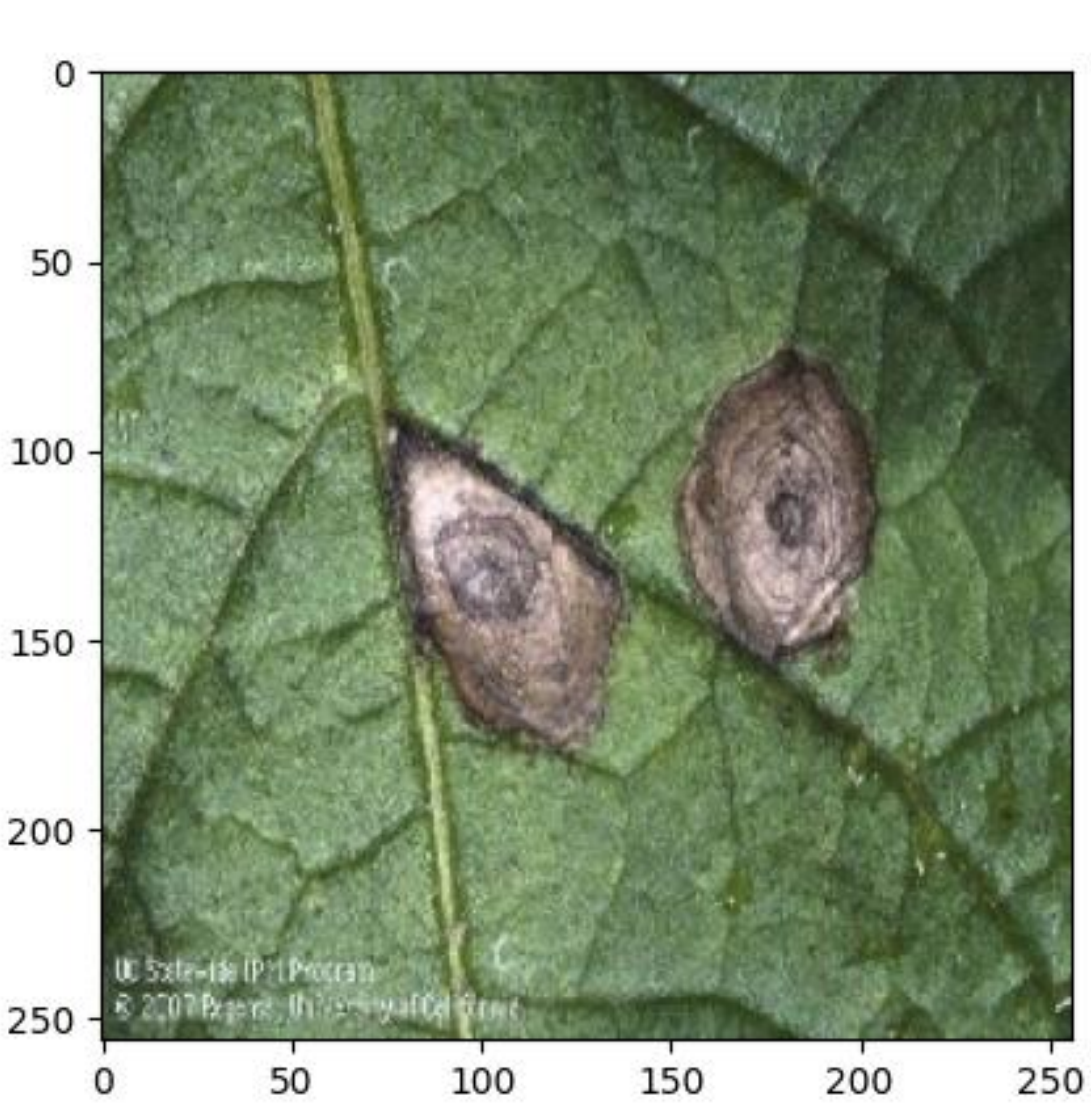
Importing Dependancies

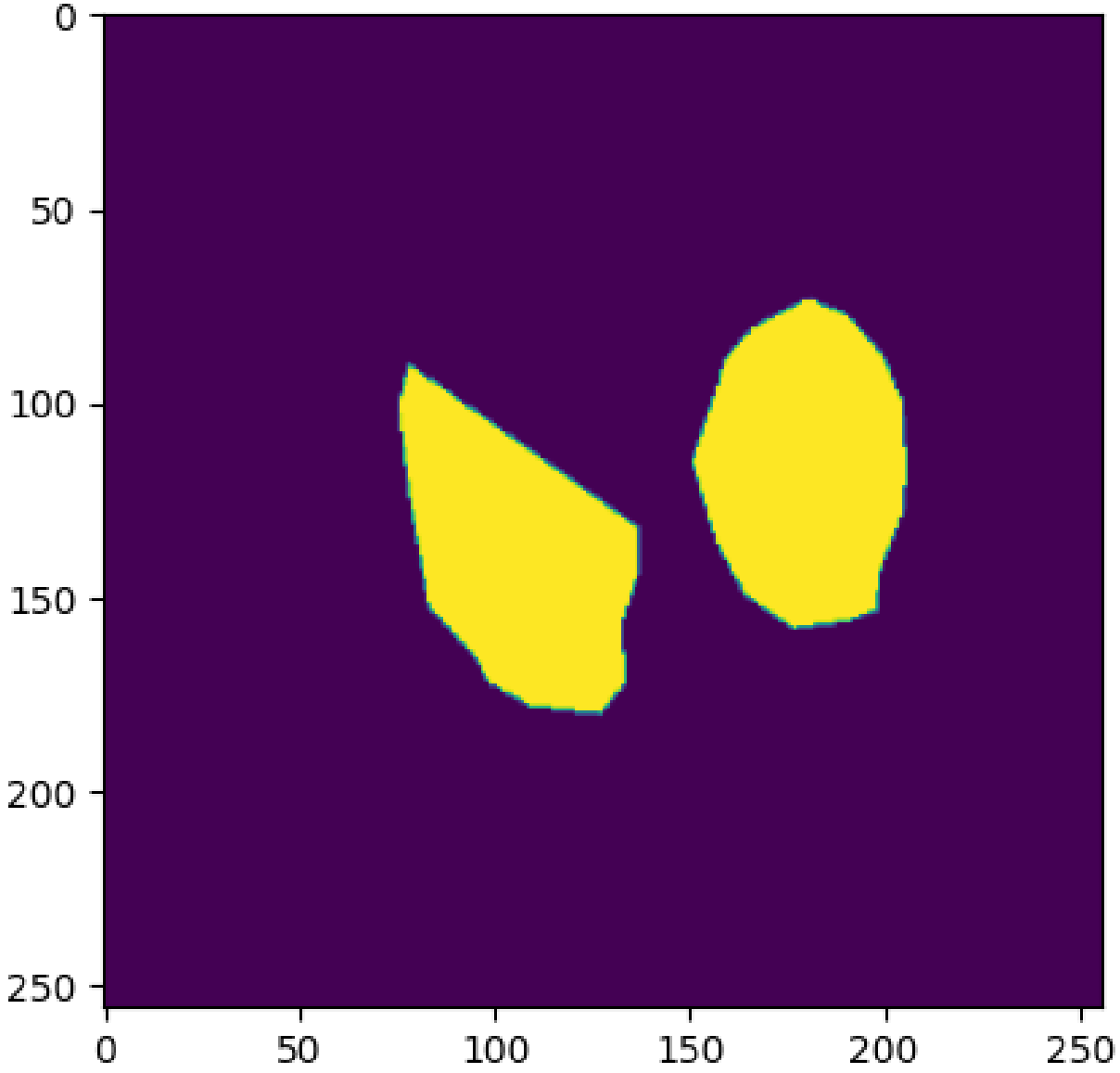
Data Separation

Visualizing the Data






0
50
100
150
200
250
0
50
100
150
200
250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200
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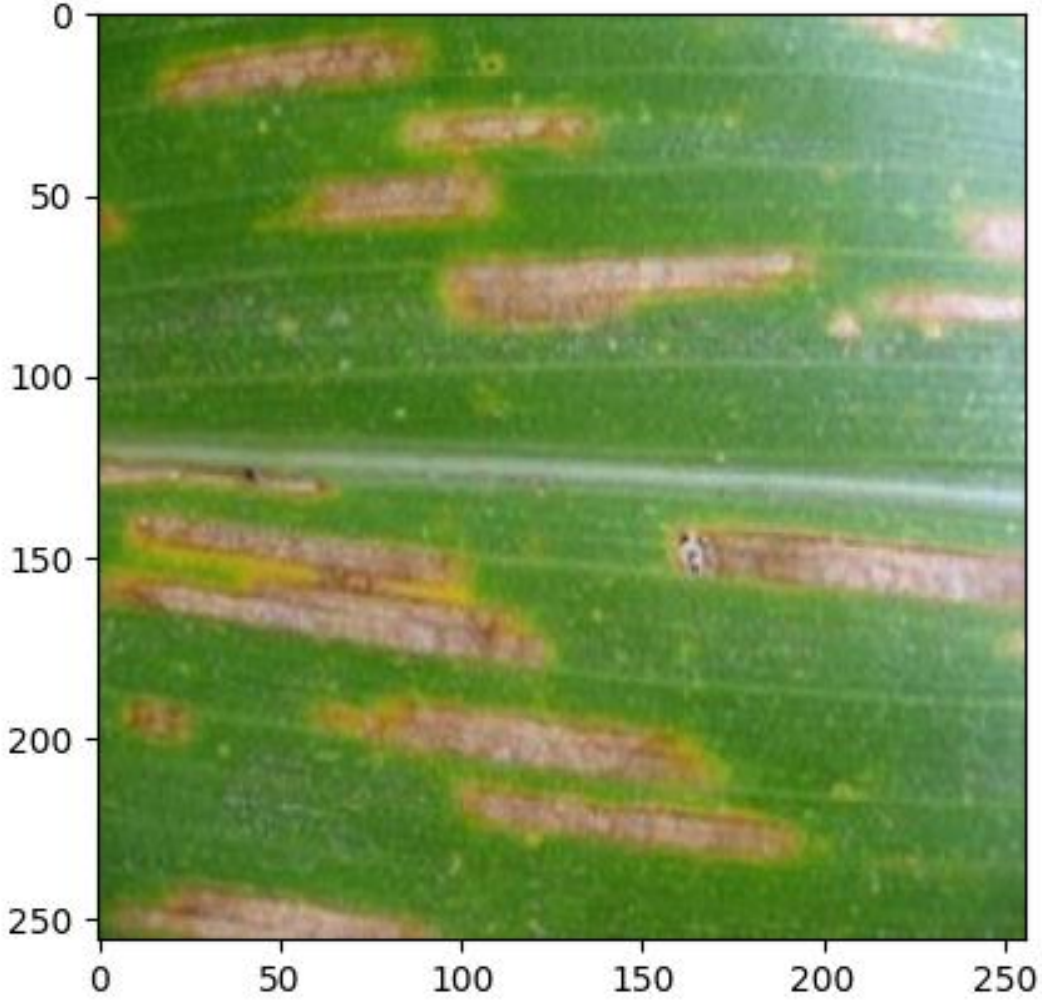
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200
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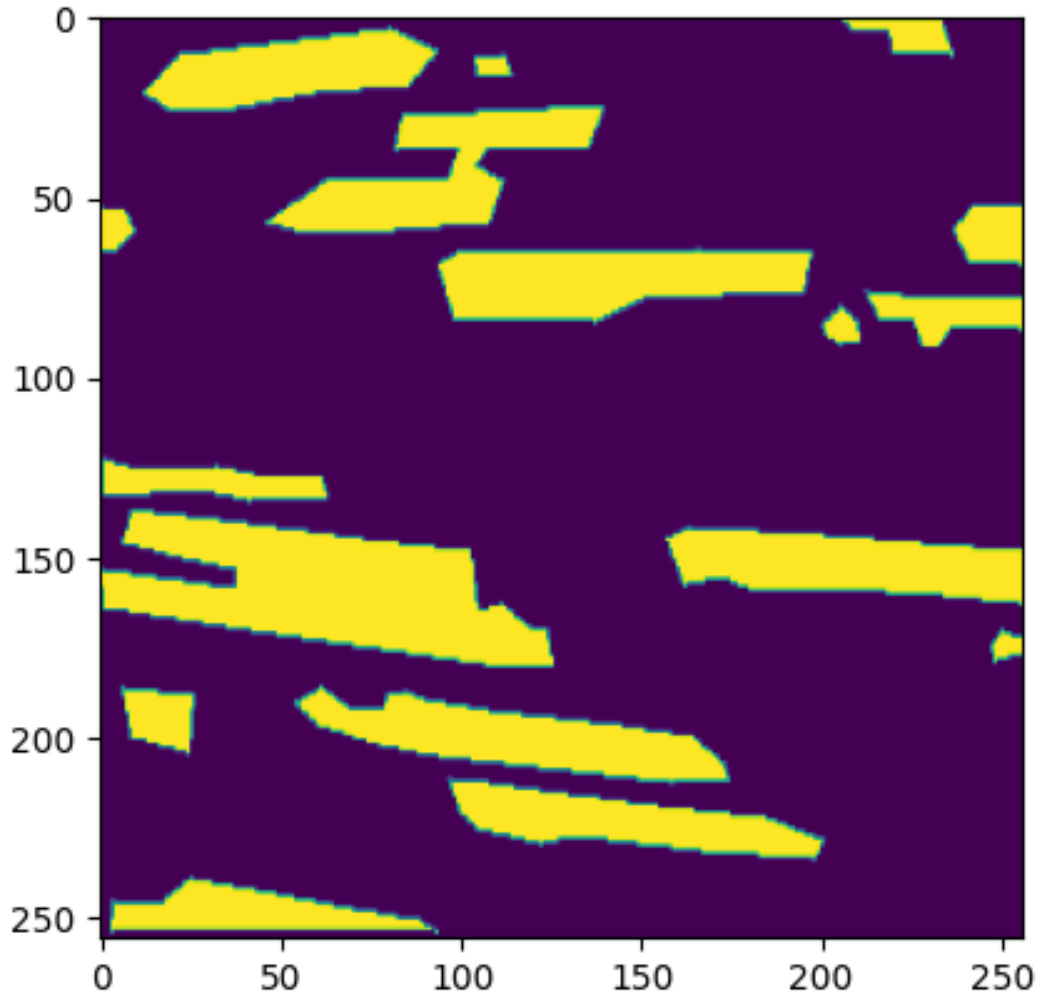
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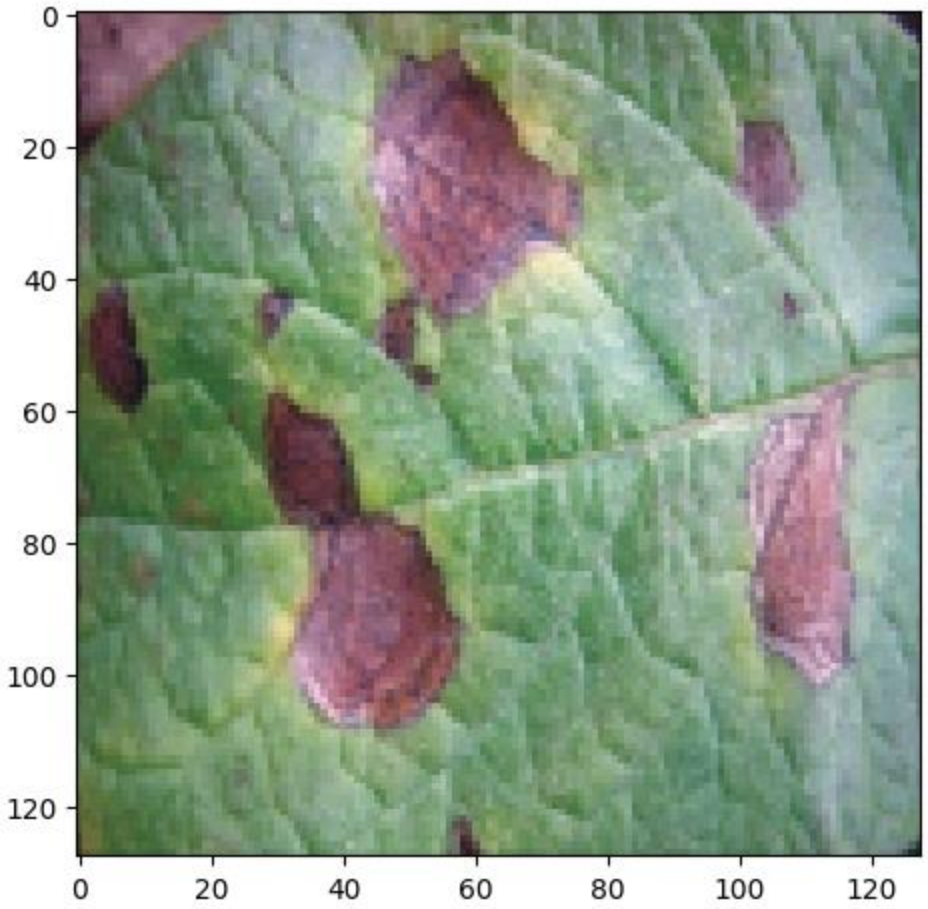
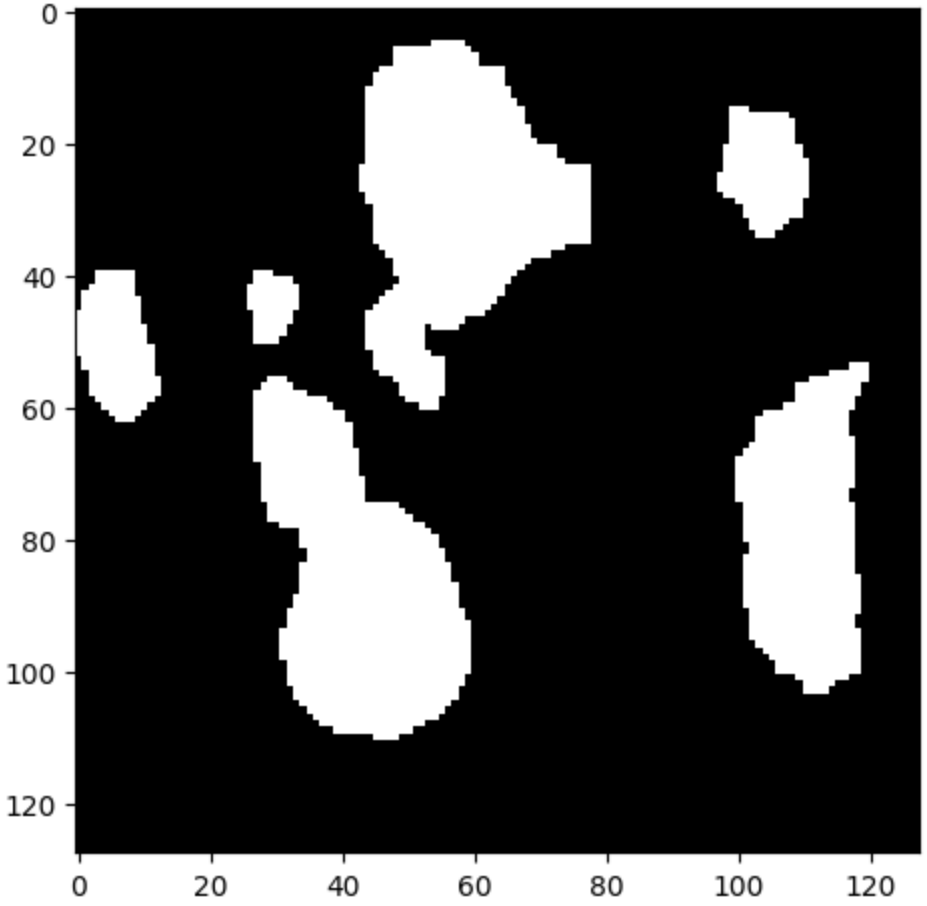
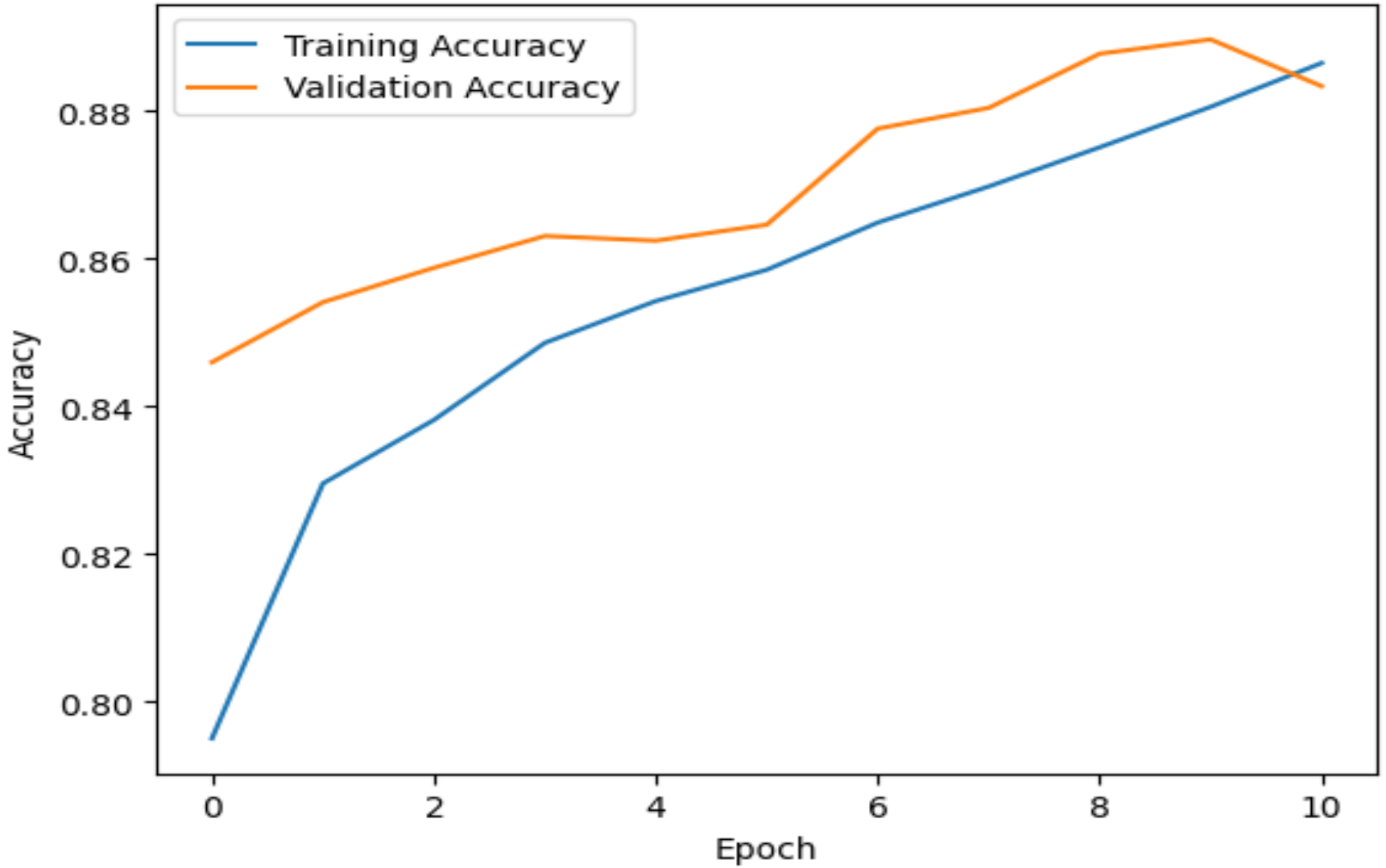
0
50
100
150
200
250

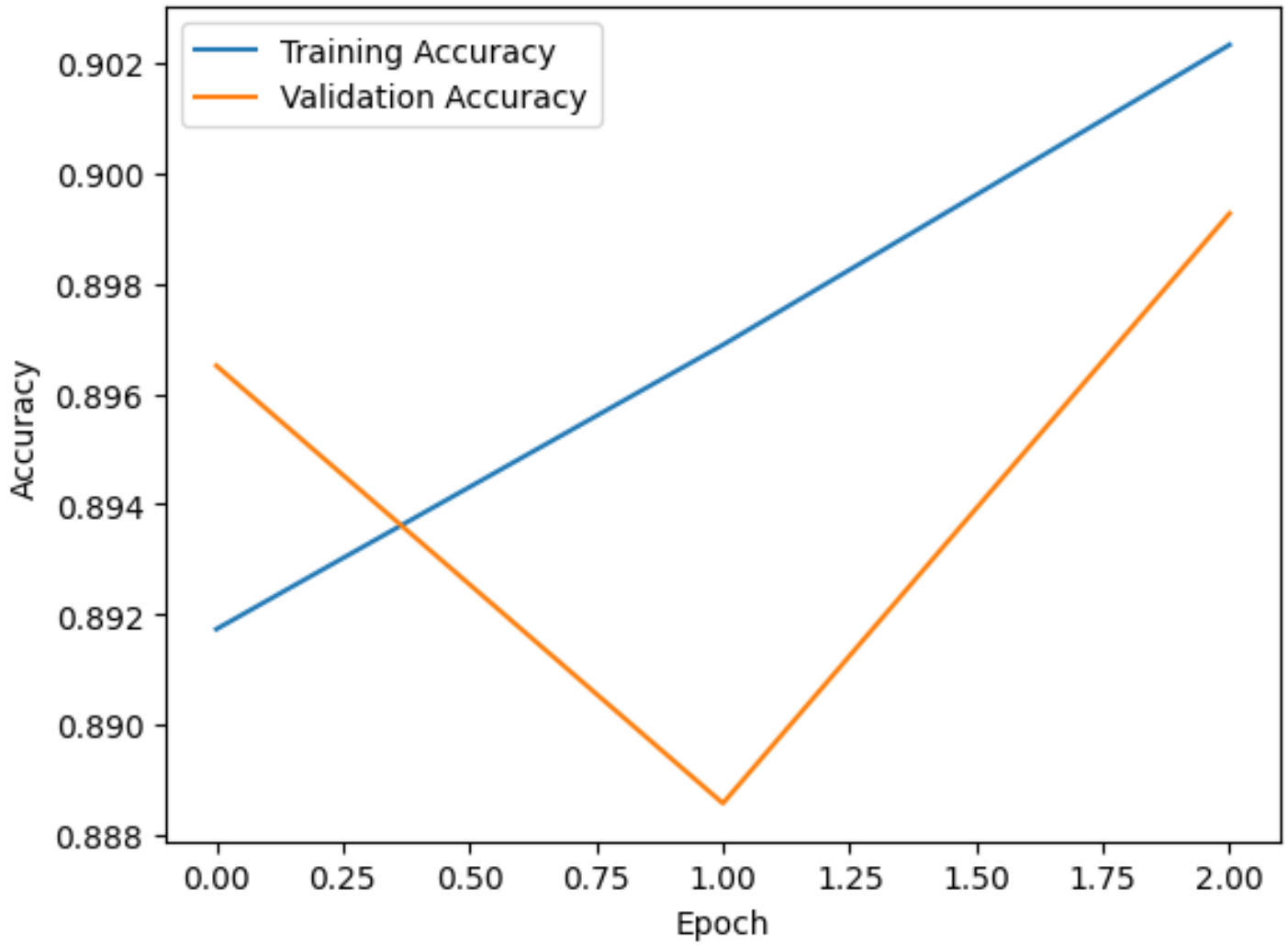
Images after resizing





U-Net Model


Training Accuracy
Validation Accuracy
0.88
0.86
0.84
0.82
0.80
Accuracy
0
2
4
6
8
10
Epoch


Training Accuracy
Validation Accuracy
0.902
0.900
0.898
0.896
0.894
0.892
0.890
0.888
Accuracy
0.00
0.25
0.50
0.75
1.00
1.25
1.50
1.75
2.00
Epoch

K-Means Clustering

Original Image

Segmented Image when K = 2