Skin Cancer Detection Using Deep Learning Models

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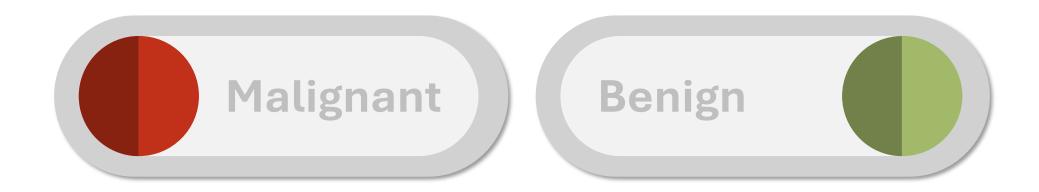
Ori Ekshtein

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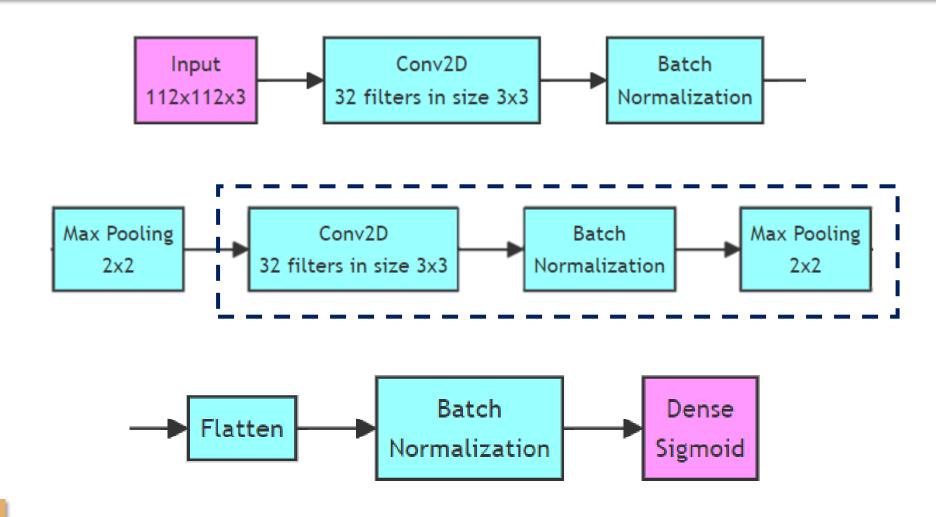
What is Neoplasm & Our objective

Given a Neoplasm



The question arises whether it is possible to identify this from an image?

Methods

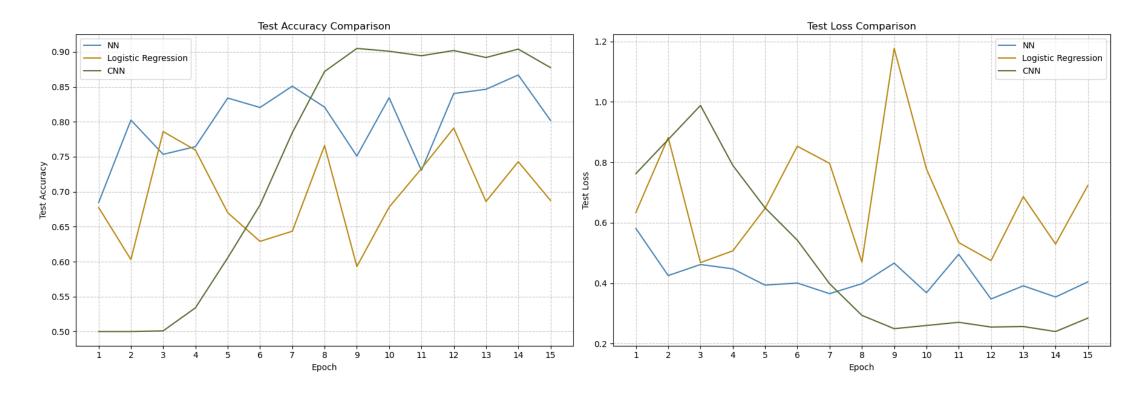


Training

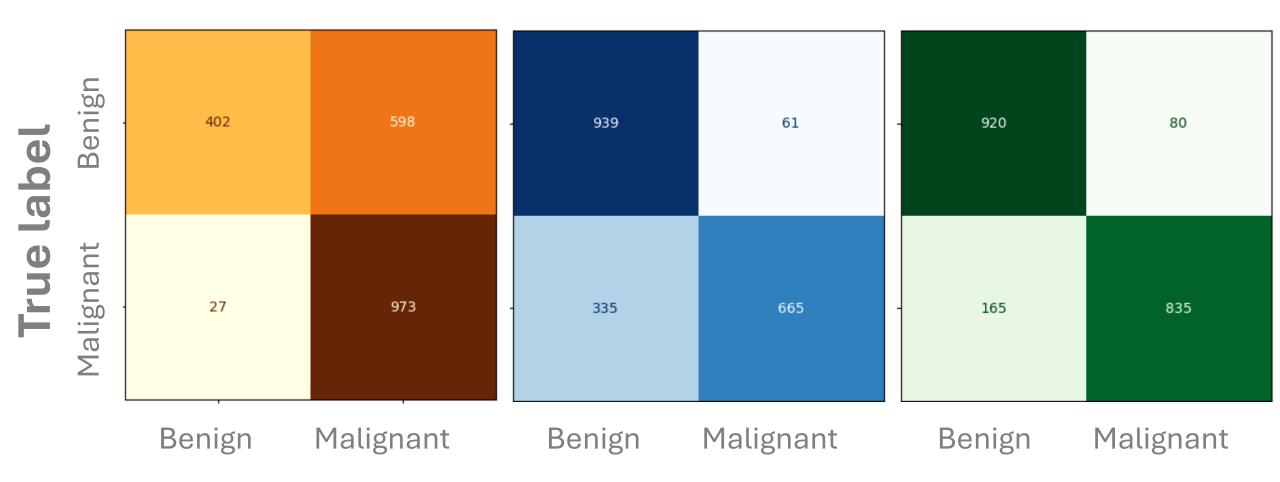
Adam | Log loss | 15 epochs | 128 size batch

Results

Model	Accuracy	Precision	Recall	Loss
Logistic Regression	69%	62%	97%	0.312
NN	80%	91%	67%	0.198
CNN	88%	91%	84%	0.112



Results – Confusion Matrixes



Predicted label

Prediction Examples



