

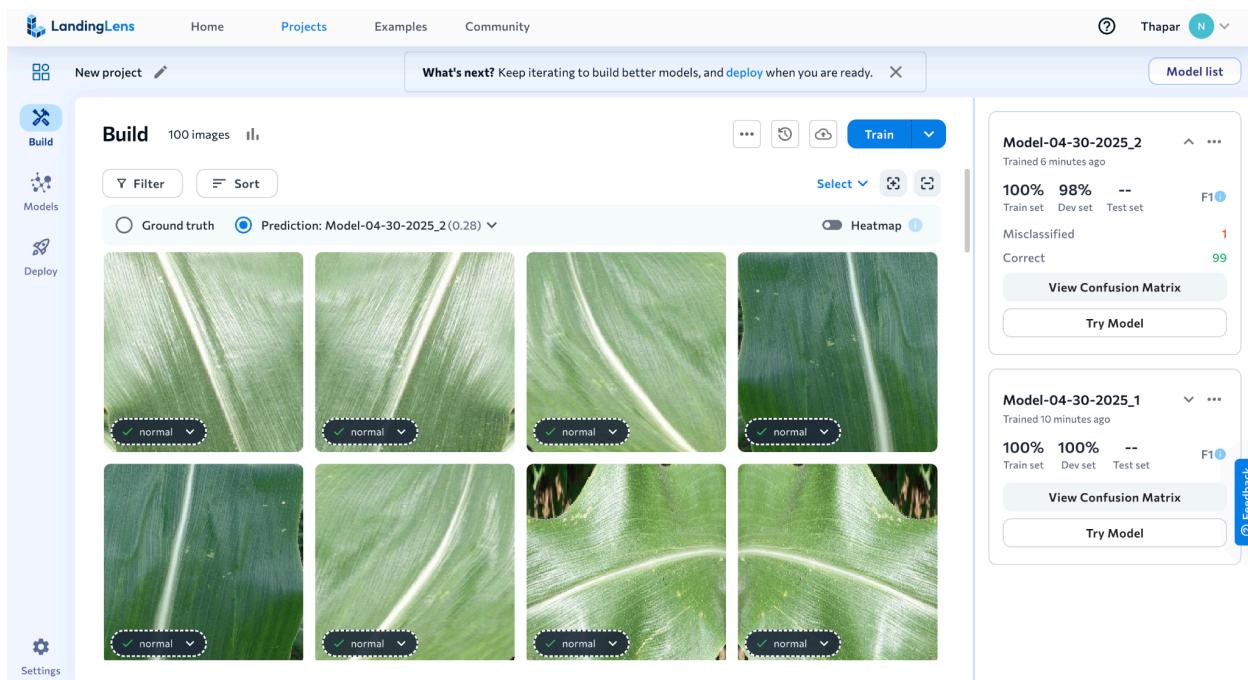
**Navnoor Bawa**  
**102317164**  
**2Q16**

# Lab Assignment-11

## Cognitive Computing UCS420

### Landing AI (Vision-based Cognitive System)

This project is a corn anomaly detection model built using LandingAI's computer vision platform to identify unhealthy corn plants. Utilizing the Anomaly Detection project type, the model employs a binary classification approach that distinguishes between regular healthy corn and anomalous diseased specimens. Each image serves as its label - either "Normal" or "Abnormal" - allowing the model to identify deviations from standard patterns in corn leaves.



LandingLens Home Projects Examples Community

New project + What's next? Keep iterating to build better models, and **deploy** when you are ready. X

**Build** 100 images !.. Train ▼

▼ Filter Sort Select Heatmap ...

○ Ground truth ● Prediction: Model-04-30-2025\_2 (0.28) ▼

Train set Dev set Test set F1 ...

Misclassified 1 Correct 99 View Confusion Matrix Try Model

Model-04-30-2025\_2 Trained 6 minutes ago ...

Model-04-30-2025\_1 Trained 10 minutes ago ...

View Confusion Matrix Try Model Feedback

Build Models Deploy Settings

## Model-04-30-2025\_2

Try Model ... X

### Performance

F1 ▼

**100%**

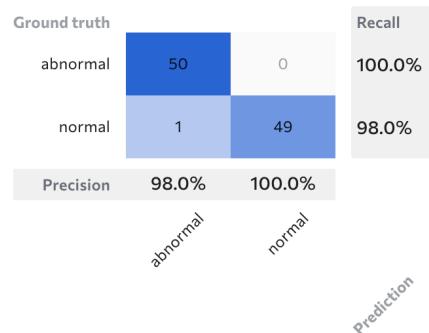
Train set (40)

**98%**

Dev set (60)

--

Test set (0) Threshold: **0.28**  ⓘ



To adjust the anomaly threshold, view visual predictions, or add your own evaluation set, please access the full report on the Models page.

View Full Report

## Model-04-30-2025\_2

[Expand](#) [X](#)

Training Information [Performance Report](#)

Evaluation set: Train set [▼](#) Labeled Data: (40 images) Anomaly Threshold: 0.28 [Adjust](#)

100.0%  
F1 [i](#)

100.0%  
Precision [i](#)

100.0%  
Recall [i](#)

[Analyze by confusion matrix](#)

[Analyze all images](#)

### Confusion Matrix [Learn more](#) [🔗](#)

Ground truth		Recall	
abnormal	normal	0	0
normal	abnormal	0	40
Precision	--	100.0%	
Prediction		normal	

[Feedback](#)

Try this model



Anomaly Threshold  
[0.28](#)

[Deploy](#)

### Prediction

normal