

## COGNITIVE COMPUTING ASSIGNMENT NO. 11


### Writeup Describing the Project:


This project is an emotion detection model built using Landing AI to identify different emotions —Angry , Sad , Happy . Trained on labeled datasets, the model accurately predicts emotions from new images, demonstrating AI's potential.


### Step 1 – Project Creation Page


**Build**


Project types [How to choose](#)


**Object Detection**  
Label with bounding boxes. Use to identify one or more objects in an image.

**Segmentation**  
Label with precision tools. Use when pixel-level precision is required. Output from the model is a mask of the pixels.

**Classification**  
Each image itself is a label. Use to classify the contents of an image as a whole to distinguish.

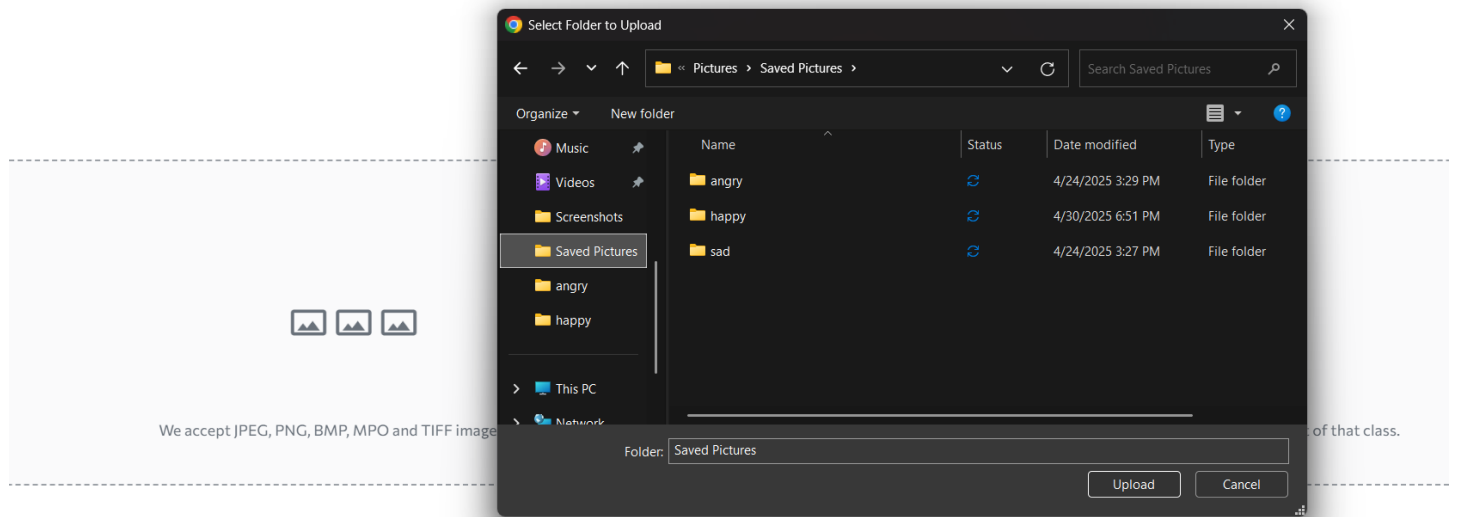
**Anomaly Detection**  
Each image itself is a label - Normal or Abnormal. Use to identify deviations from normal patterns.

**Visual Prompting** Beta  
Label a few small areas with a brush for the model to almost immediately detect the whole object in all images.

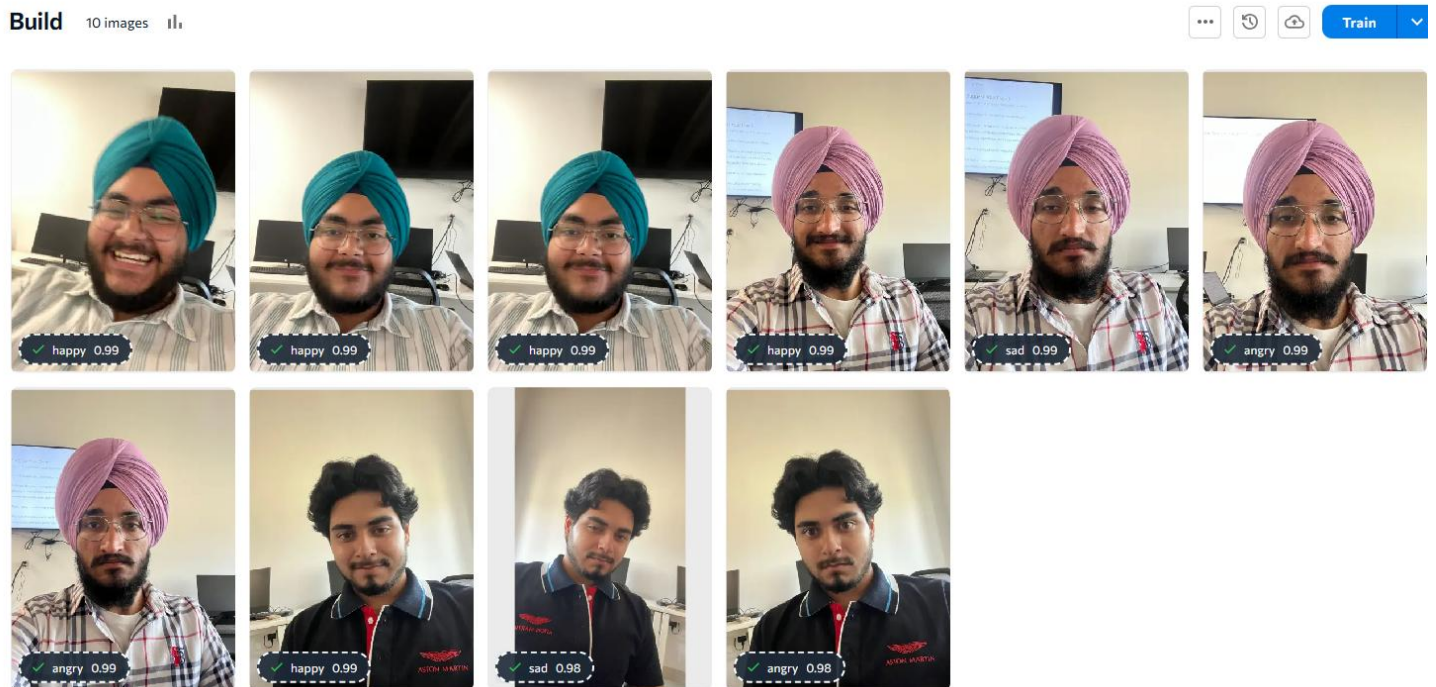
**Drop to upload**  
More upload options? [Click here](#)  
(PNG, JPEG, BMP, MPO, TIFF, files/folders)

Feedback

## Step 2 - Uploading images



## Step 3 – Labelling Classes



Step 4 – Confusion Matrix

Evaluation set: Train set ▾ Labeled Data: (9 images)

100.0%  
F1 ⓘ

100.0%  
Precision ⓘ

100.0%  
Recall ⓘ

Analyze by confusion matrix

Analyze all images

Confusion Matrix [Learn more](#)

Ground truth	happy	sad	angry	No label	
happy	4	0	0	0	Recall 100.0%
sad	0	2	0	0	100.0%
angry	0	0	3	0	100.0%
No label	0	0	0	--	
Precision	100.0%	100.0%	100.0%		
	happy	sad	angry	No predicti...	Prediction

Step 5 – Training Model

Model-04-30-2025\_1 [View Details](#)

Training in progress

✓

Preparing data snapshot

✓

Provisioning GPU

3

Training & learning

4

Calculating performance

End Training Now

Step 6 – Testing the Model

Try this model



Deploy

Prediction

happy 0.47