

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.



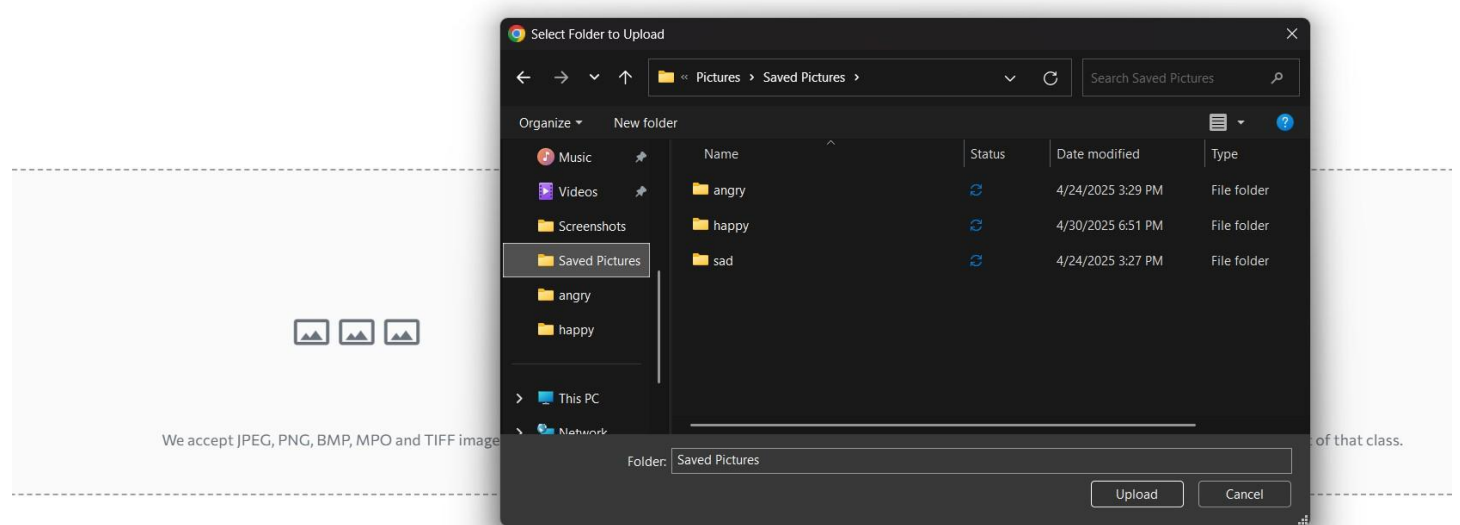
Visual Prompting Beta
Label a few small areas with a brush for the model to almost immediately detect the whole object in all images.



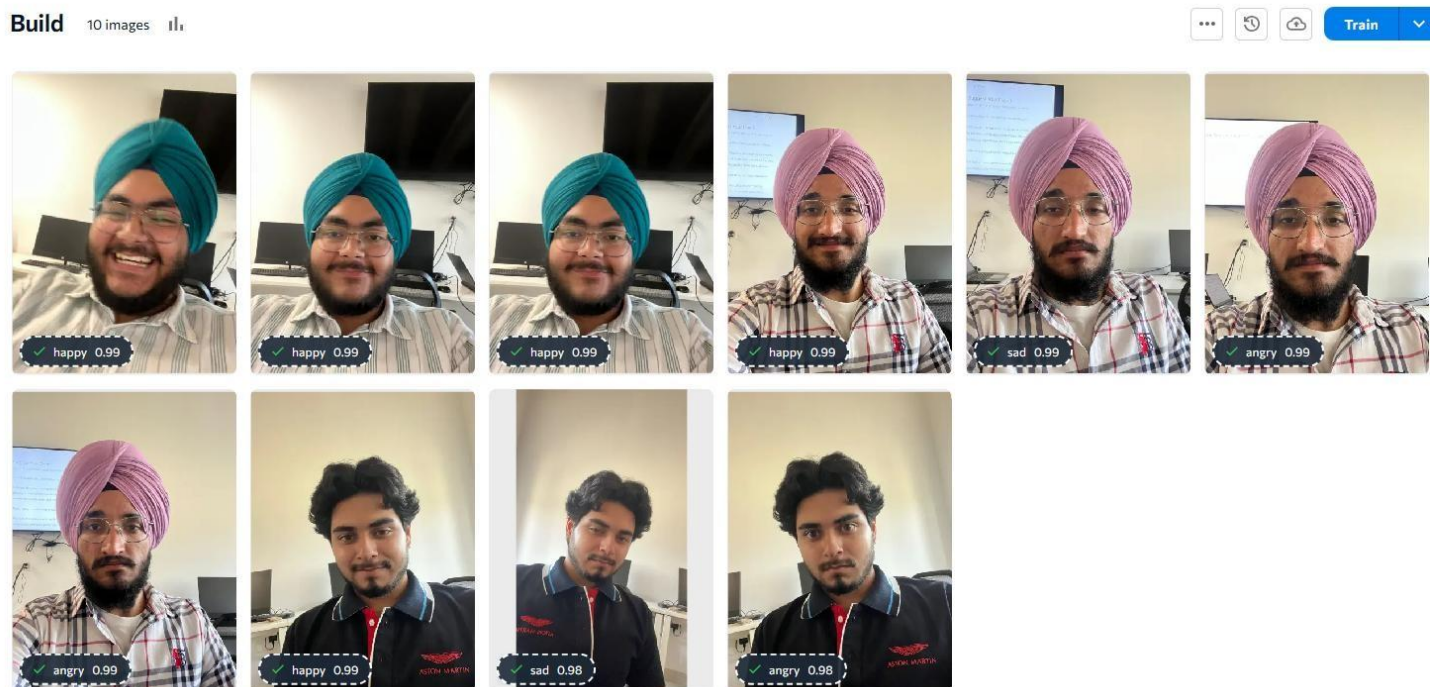
Drop to upload
More upload options? [Click here](#)
(PNG, JPEG, BMP, MPO, TIFF, files/folders)

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	Recall
happy	4	0	0	0	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

