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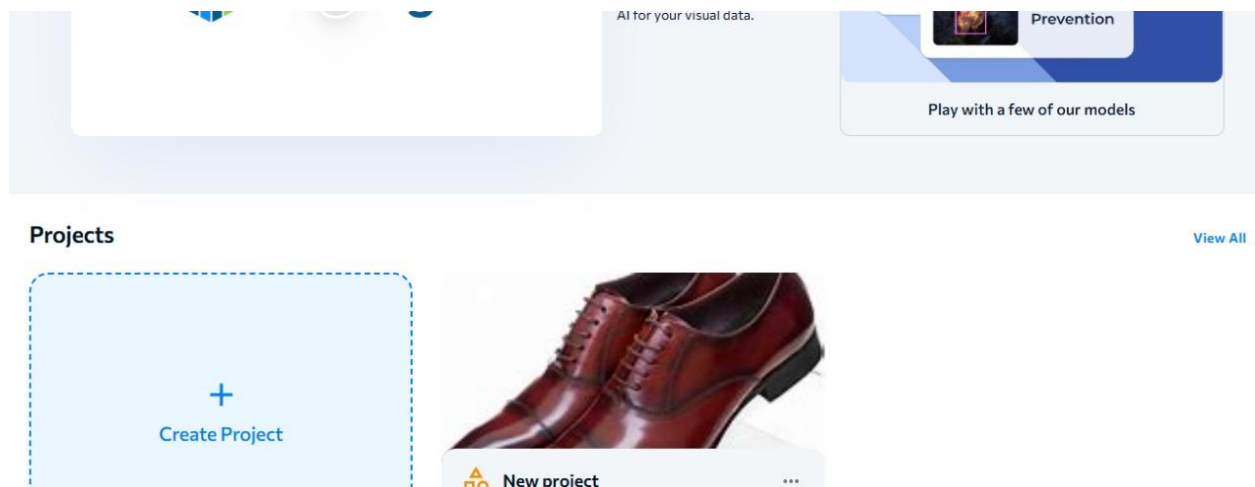
ROLL NO: 102367001

ASSIGNMENT 11

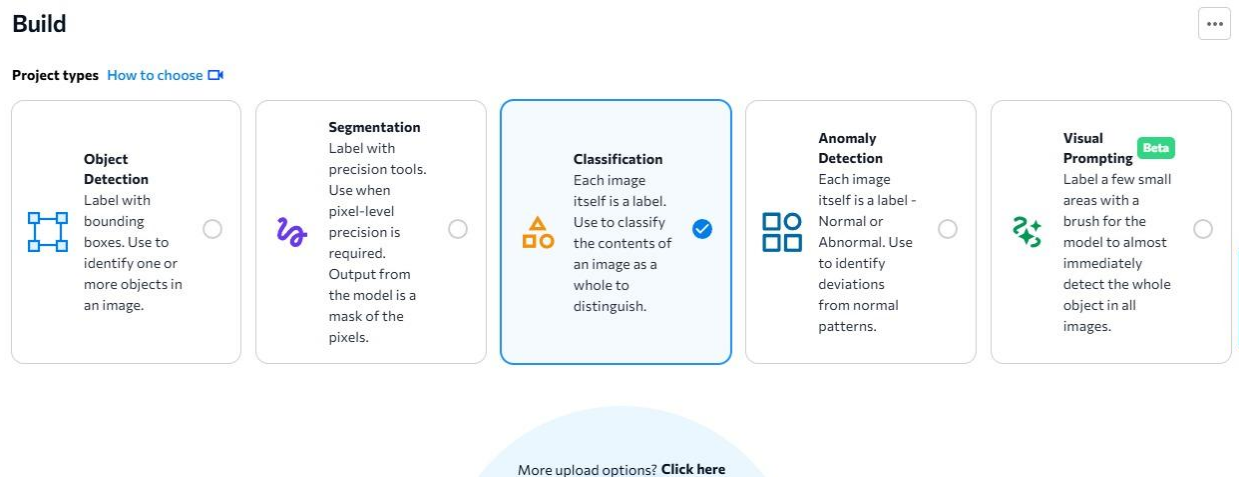
This project involves building a classification model using the LandingLens platform to accurately differentiate between images of bags and shoes. The dataset consists of clearly labelled images from both categories, enabling the model to learn distinct visual characteristics such as shape, texture, color patterns, and structural features.

By training on these features, the model can recognize whether a new image belongs to the “bag” or “shoe” category. The goal is to showcase how AI can effectively perform image-based classification in practical retail or fashion-related applications, enabling automated sorting, tagging, or cataloging of product images.

STEP 1: CREATE A PROJECT



STEP 2: SELECT A BUILDING MODEL



STEP 3: UPLOAD THE PICTURES AND LABEL IT FOR CLASSIFICATION

The 'Build' interface displays 12 images. The 'Prediction' tab is selected for 'Model-04-18-2025_1'. Three images are shown with their predicted labels and confidence scores:

- Image 1: A brown handbag. Prediction: bag, 1.00.
- Image 2: A pair of black boots. Prediction: shoes, 0.95.
- Image 3: A pair of white sneakers. Prediction: shoes, 1.00.

On the right, a progress bar shows the training status: 'Preparing data snapshot', 'Provisioning GPU', 'Training & learning', and 'Calculating performance'. A 'Train' button is visible. Below the progress bar, the model details for 'Model-04-18-2025_1' are shown, including 'Trained 16 days ago' and performance metrics: 100% for Train set, 100% for Dev set, and -- for Test set. The F1 score is 1.0, and the number of correct predictions is 12.

STEP4 : TRAIN THE MODEL

The performance report for 'Model-05-04-2025_1' shows the following metrics:

- Train set (--) : 100%
- Dev set (--) : 100%
- Test set (--) : --

The confusion matrix is as follows:

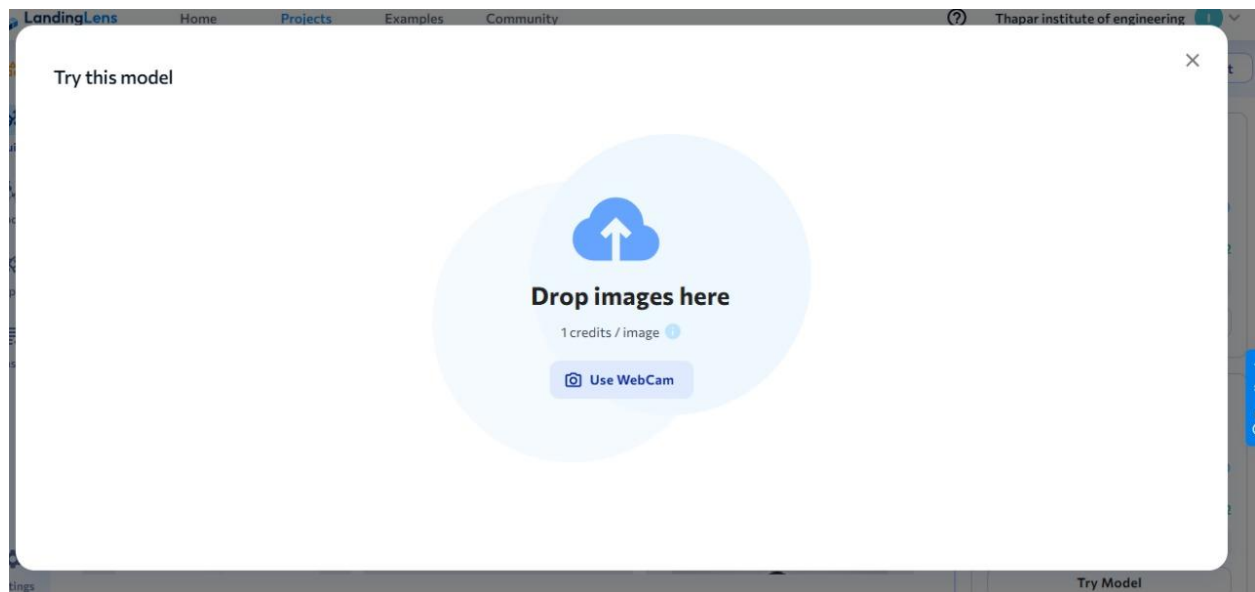
Ground truth \ Prediction	shoes	bag	No predicti...
shoes	6	0	0
bag	0	6	0
No label	0	0	--

The precision and recall for each class are:

Class	Precision	Recall
shoes	100.0%	100.0%
bag	100.0%	100.0%

To view visual predictions, or add your own evaluation set, please [View Full Report](#).

STEP 5: TRY THE MODEL



RESULT:

