

Harsh Choudhary

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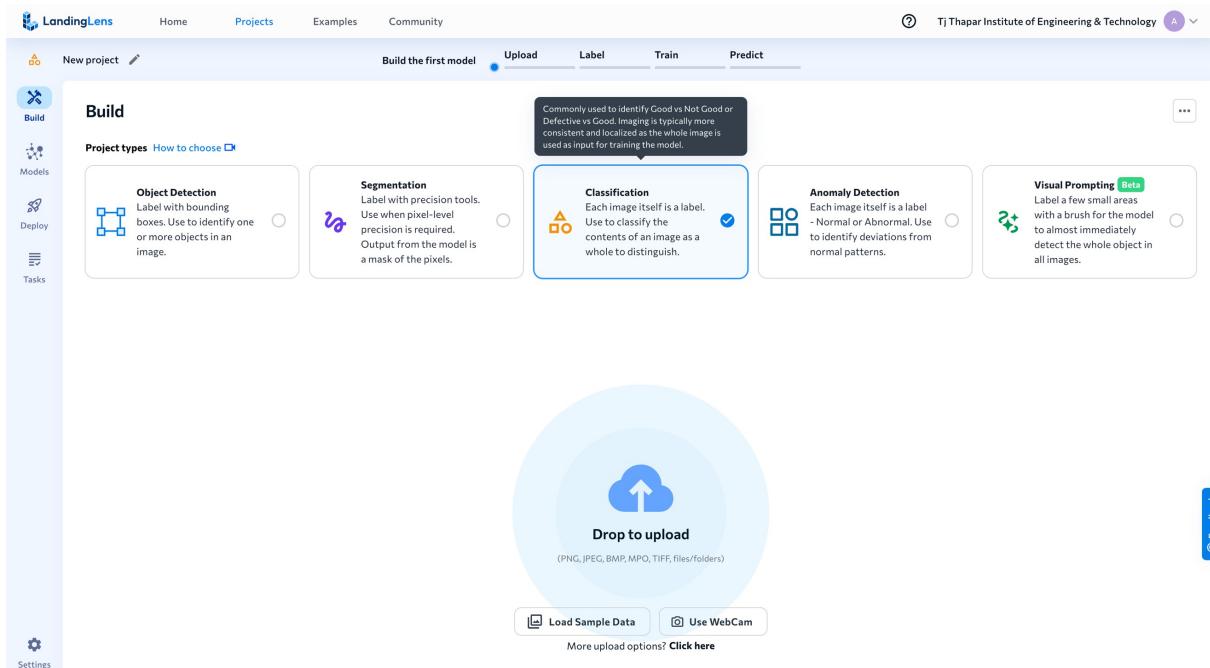
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Lab Assignment-11

Cognitive Computing UCS420
Landing AI (Vision-based Cognitive System)

This project is a classification model built using LandingAI's computer vision platform to distinguish between two types of stationary items: pens and scales. Utilizing the **Classification** project type, the model applies a multi-class classification approach to categorize input images into one of two classes: "**Cars**" or "**Bikes**". By training on labeled images of both categories, the model learns to accurately identify and differentiate between these common stationary items based on visual features.

Project Creation Page



The screenshot shows the LandingLens interface for project creation. The top navigation bar includes links for Home, Projects, Examples, and Community. The main menu on the left has options for Build, Models, Deploy, Tasks, and Settings. The central workspace is titled "Build" and features a "Project types" section with five options: Object Detection, Segmentation, Classification (which is selected and highlighted with a blue border), Anomaly Detection, and Visual Prompting (Beta). Below this is a large circular "Drop to upload" area with an upward arrow icon, labeled "(PNG, JPEG, BMP, MPO, TIFF, files/folders)". At the bottom are buttons for "Load Sample Data" and "Use WebCam", with a link "More upload options? Click here". A feedback button is located in the bottom right corner.

Image upload

Screenshot of a machine learning model interface showing the 'Label' step of a project.

The interface includes a top navigation bar with tabs: New project, Build the first model, Upload, Label (selected), Train, Predict, and Model list.

The left sidebar contains icons for Build, Models, Deploy, Tasks, and Settings.

The main area displays a grid of 20 images under the heading "Build 20 images".

- Row 1:** Four motorcycle images labeled "Bikes".
- Row 2:** Two motorcycle images labeled "Bikes", one car image labeled "Cars", and one landscape image.
- Row 3:** One motorcycle image labeled "Bikes", one motorcycle image labeled "Bikes", one car image labeled "Cars", and one landscape image.
- Row 4:** One landscape image, one car image, one blurry image, and one landscape image.

Each image has a small dropdown menu below it, such as "Bikes" or "Cars".

Training Process

LandingLens Home Examples Community Start Training. X

New project Build the first model Upload Label Train Predict Model list

Build 20 images ... Train

Bikes Cars

Model-04-30-2025_1 View Details

Preparing data snapshot Provisioning GPU Training & learning Calculating performance End Training Now

Feedback

Model-04-30-2025_1 Training in progress

[View on Models Page](#)

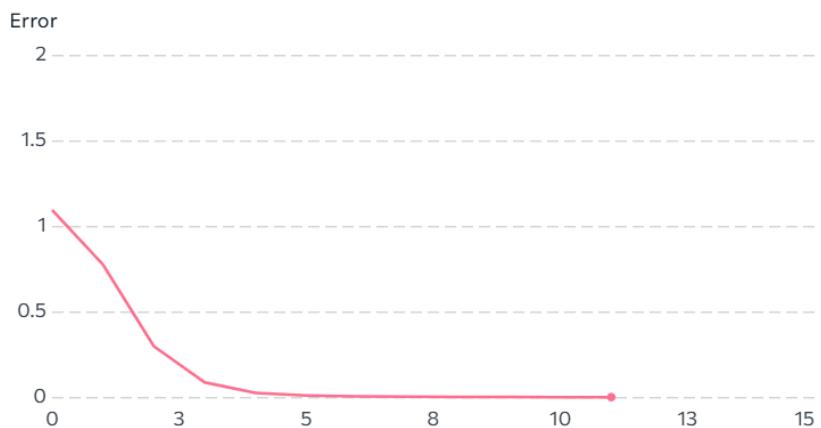
1 Preparing the snapshot of your data

snapshot AutoGenerated-04-30-2025_1 with 20 images.

2 Provisioning GPU

3 Training & learning

Loss Chart

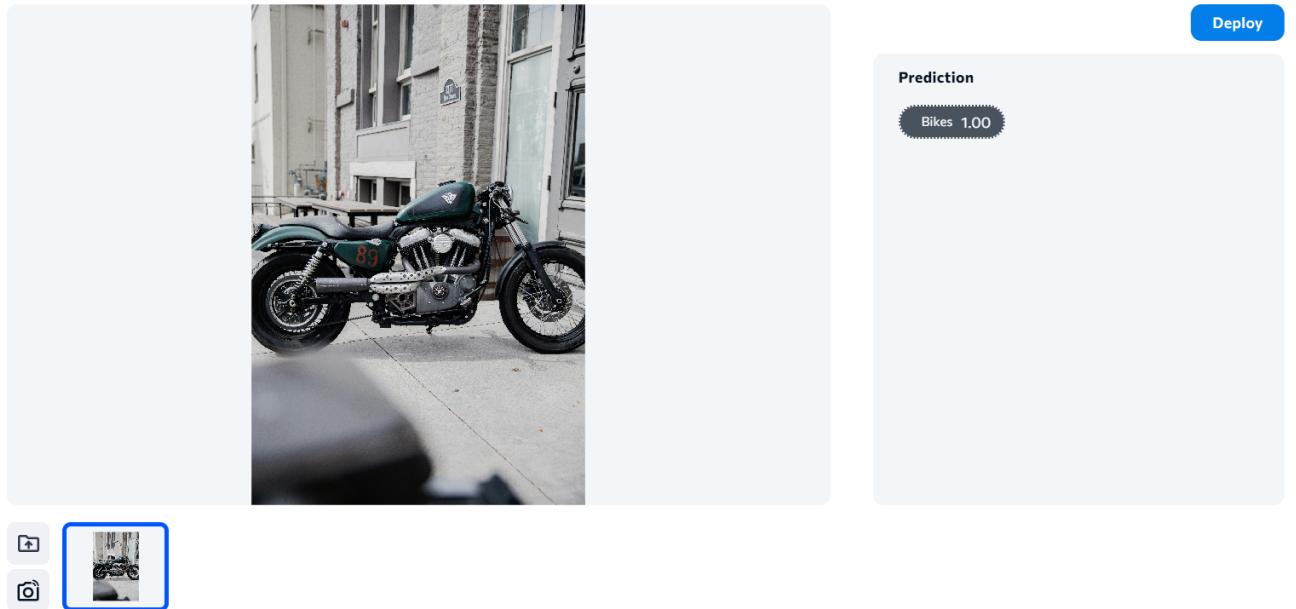


4 Calculating model performance

[Show Training Configuration](#)

Testing Results

Try this model



A screenshot of the LandingLens platform interface, showing a prediction for a car image. On the left, the main dashboard features several project cards and navigation links like "Build", "Models", "Deploy", "Tasks", and "Settings". A central modal window is open, prompting the user to "Try this model" and showing a large image of a silver Jaguar XJ sedan. Below this image are three small thumbnail images: a folder icon, a camera icon, and another thumbnail of the car, which is highlighted with a blue border. To the right of the modal, the platform's sidebar shows sections for "Model list", "F1 1", "20", "Matrix", and "Feedback". The top right corner of the modal contains a blue "Deploy" button. The prediction results are displayed in a dark rounded rectangle: "Prediction" at the top, followed by "Cars 0.98".