

Diondria Morris

Lab 02

ITAI-2372 Artificial Intelligence Fall 2024

The screenshot shows a web browser with multiple tabs. The active tab is 'Analyze images in Vision Studio', which displays a lab interface. The interface has a green header with the title 'Analyze images in Vision Studio' and a progress bar at 100%. Below the header, there are sections for 'Instructions', 'Resources', and 'Help'. The 'Instructions' section contains a list of steps: 4. Upload the store-camera-3.jpg file. 5. In the Detected attributes box, observe the list of detected objects and their confidence scores. 6. Hover your mouse cursor over the objects in the Detected attributes list to highlight the object's bounding box in the image. 7. Move the Threshold value slider until a value of 70 is displayed to the right of the slider. Observe what happens to the objects in the list. The threshold slider specifies that only objects identified with a confidence score or probability greater than the threshold should be displayed. Below the instructions, there is a 'Clean up' section with two steps: 1. Open the Azure portal and select the resource group that contains the resource you created. 2. Select the resource and select Delete and then Yes to confirm. The resource is then deleted. A 'Learn more' section follows, with a link to the Azure AI Vision page. The 'Resources' section shows a list of resources, but it is currently empty, displaying a message: 'No resources match your filters. Try changing or clearing your filters.' The 'Help' section is also visible, showing a search bar and a 'Relaunch to update' button. The browser's address bar shows the URL: https://labclient.labondemand.com/LabClient/42fe1e84-7cf6-4f2f-b7a5-56b6539f96ab. The browser's tabs include 'project - Presentation - Canva', 'L02 Lab 02 On Skillable: Diondria M...', 'Class Enrollment: Diondria M...', 'Analyze images in Vision Studio', and 'L02_Diondria_Morris_ITAI2372'. The browser's status bar shows the time as 6:14 AM on 10/23/2024.

1. Introduction:

- **Brief Overview:** Analyze images in Azure AI Vision Studio.
- **Purpose:** The purpose of this report is to reflect and discuss the various AI driven image analysis features in Vision Studio.

2. Description of Experience or Topic:

“Northwind Traders” is the fictional retailer that I had the pleasure of working with in this lab. The company wants to introduce a “smart store”; AI will analyze the store to identify customers that need help and deploy employees to them immediately. Azure AI Vision Studio contains the image analysis features. The lab included a walkthrough of key functionalities such as adding captions to

images, dense captions, extracting common tags from images, object detection and detecting common objects in images.

3. **Personal Reflection:**

In my previous experience with object detection and image recognition, I was accustomed to the process of creating and training models to enable these features. This platform removes the need for manual model creation. It comes equipped with pre-trained models, allowing users to implement object detection and image recognition which in return reduces setup time and complexity. The typing feature is highly convenient, definitely next level! It saves a considerable amount of time when completing exercises like this. More images in the instructions would have been helpful; specifically the more detailed tasks.

4. **Discussion of Improvements and Learning:**

I'm becoming more familiar with the platform, which seems user friendly. This second lab was easier to complete than the previous one. I appreciated the Northwind Traders practice scenario, as it got me thinking about how I could apply these skills in a professional setting or a portfolio project.

5. **Conclusion:**

• **Summary:** AI platforms continue to find ways to simplify complex processes. Very pleased with the training labs so far.