

# Lecture 34: Describe Image

## Introduction

- After learning how to generate an image from a text prompt, the next step is to **give an image to the AI model and let it describe or analyze it.**

## What is Describe Image?

- Instead of generating, we **send an existing image** to the AI model.
- The AI can:
  - Describe what is in the image.
  - Answer a specific prompt (e.g., “Tell me the name of the superhero”).

## How It Works (Concept)?

- **Send a Request**
  - A POST request is made to the server (e.g., localhost:8080/image).
  - Along with the request, we provide:
    - **Query** → the instruction or question (e.g., “Describe this image”).
    - **File (image)** → the actual image to analyze.
- **Multipart Data**
  - Since we are uploading an image, the request type is **multipart/form-data**.
  - It includes both the text query and the image file.
- **AI Response**
  - The AI model analyzes the uploaded image.
  - It returns a description or answers based on the given query.

## Why Use Describe Image?

- Helps in **image understanding** (e.g., object recognition, scene description).
- Can answer specific questions about an image (not just a generic description).
- Useful for real-world scenarios like
  - The tool is particularly useful for identifying objects in photos.
  - Getting details about uploaded product images.
  - Analyzing scenes in applications like accessibility tools.