

DSDT



Writing Assignment

“Seeing and Creating Like a Machine”

Objective:

Show that you get what **Computer Vision** and **Generative AI** are all about, how they work, what they do, and how they’re showing up in the real world (sometimes in pretty wild ways).

Instructions:

Write a short response, around **1–2 paragraphs (150–250 words)**, that shows you understand these two types of AI. Keep it in your own words, and feel free to add your own personality or humor.

Here’s what to include:



1. Explain It (in your own words)

- What is **Computer Vision**? (Think of it as how computers “see” the world through cameras and images.)
- What is **Generative AI**? (This is the one that *creates* things, stories, images, songs, even videos.)
- How are they different from regular old AI that just makes predictions or organizes data?

Tip: Use analogies if that helps, for example, Computer Vision is like giving a computer a pair of eyes, and Generative AI is like giving it an imagination.



2. Give Real-World Examples

- One example of **Computer Vision** could be your phone unlocking when it recognizes your face, a self-driving car spotting pedestrians, or an app identifying your dog’s breed in two seconds flat.
 - One example of **Generative AI** could be ChatGPT writing an essay, DALL·E drawing a picture of a “punk-rock panda,” or an AI music app creating a lo-fi beat for your study playlist.
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3. Share Your Thoughts

What's one thing you find *exciting* (or maybe *a little creepy*) about these technologies?

For example, you might love how they make life easier or worry about robots accidentally mistaking your cat for a hat.

4. Final Question

If you could **combine** Computer Vision and Generative AI into one invention, what would it do?

Maybe it's a "smart art camera" that paints what it sees in real time, or a "fashion bot" that designs outfits based on your mood.

Describe your idea in 2–3 sentences, go wild with it!