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from diffusers import StableDiffusionPipeline

import torch

import matplotlib.pyplot as plt

from PIL import Image, ImageFilter


# Load the Stable Diffusion pipeline (works for both CPU and GPU)

model_id = "CompVis/stable-diffusion-v1-4"

pipe = StableDiffusionPipeline.from_pretrained(model_id)


# If you're using CPU (without CUDA), load the model on CPU

pipe.to("cpu")


# Define a cinematic prompt with depth and lighting details

prompt = (

    "A cinematic 3D scene of young Krishna standing in a lush, vibrant forest. "

    "The lighting is dramatic, with sunlight filtering through the trees, creating long shadows. "

    "Krishna's playful smile turns into focused determination as he prepares to face his enemy. "

    "The camera angle is low, capturing his divine presence in an epic, cinematic style. "

    "High-quality, photorealistic, with depth of field and cinematic lighting."

)


# Generate the image

image = pipe(prompt).images[0]


# Optional: Apply post-processing to add cinematic effects

# Apply a slight blur to simulate depth of field (background blur)

blurred_image = image.filter(ImageFilter.GaussianBlur(radius=2))


# Display the original and blurred images side by side

fig, axes = plt.subplots(1, 2, figsize=(12, 6))
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axes[0].imshow(image)
axes[0].set_title("Original")
axes[0].axis("off")
```

```
axes[1].imshow(blurred_image)
axes[1].set_title("Cinematic Depth (Blurred)")
axes[1].axis("off")
```

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plt.show()
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# Save the generated images
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image.save("kid_krishna_cinematic.png")
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```
blurred_image.save("kid_krishna_cinematic_blurred.png")
```