moon and a girl on a bencl •••

 $! \verb|pip| install diffusers transformers accelerate scipy safetensors\\$



```
Token has not been saved to git credential helper.
     Your token has been saved to /root/.cache/huggingface/token
     Login successful.
     The current active token is: `Stability diffusion`
from diffusers import StableDiffusionPipeline, EulerDiscreteScheduler
import torch
model_id = "stabilityai/stable-diffusion-2-1-base"
scheduler = EulerDiscreteScheduler.from_pretrained(model_id, subfolder="scheduler")
pipe = StableDiffusionPipeline.from_pretrained(model_id, scheduler=scheduler, torch_dtype=torch.float16)
pipe = pipe.to("cuda")
prompt = "a colourful photo of a girl on a bench infront of moon"
image = pipe(prompt).images[0]
image.save("moon and a girl on a bench.png")
    /usr/local/lib/python3.11/dist-packages/huggingface_hub/utils/_auth.py:94: UserWarning:
     The secret `HF_TOKEN` does not exist in your Colab secrets.
     To authenticate with the Hugging Face Hub, create a token in your settings tab (https://huggingface.co/sett
     You will be able to reuse this secret in all of your notebooks.
     Please note that authentication is recommended but still optional to access public models or datasets.
       warnings.warn(
     scheduler_config.json: 100%
                                                                       346/346 [00:00<00:00, 36.2kB/s]
     model_index.json: 100%
                                                                    543/543 [00:00<00:00, 46.6kB/s]
     Fetching 12 files: 100%
                                                                    12/12 [00:35<00:00, 3.34s/it]
     Xet Storage is enabled for this repo, but the 'hf_xet' package is not installed. Falling back to regular HTI
     WARNING:huggingface_hub.file_download:Xet Storage is enabled for this repo, but the 'hf_xet' package is not
                                                               613/613 [00:00<00:00, 43.8kB/s]
     config.ison: 100%
     model.safetensors: 100%
                                                                     1.36G/1.36G [00:21<00:00, 102MB/s]
     vocab.json: 100%
                                                               1.06M/1.06M [00:00<00:00, 1.94MB/s]
                                                               911/911 [00:00<00:00, 19.1kB/s]
     config.json: 100%
                                                                          342/342 [00:00<00:00, 11.0kB/s]
     preprocessor_config.json: 100%
     tokenizer_config.json: 100%
                                                                       807/807 [00:00<00:00. 16.7kB/s]
     special_tokens_map.json: 100%
                                                                          460/460 [00:00<00:00, 8.19kB/s]
     Xet Storage is enabled for this repo, but the 'hf_xet' package is not installed. Falling back to regular HTI
     WARNING:huggingface_hub.file_download:Xet Storage is enabled for this repo, but the 'hf_xet' package is not
     merges.txt: 100%
                                                               525k/525k [00:00<00:00 3 06MB/s]
     diffusion_pytorch_model.safetensors: 100%
                                                                                    3.46G/3.46G [00:34<00:00, 119MB/s]
     Xet Storage is enabled for this repo, but the 'hf_xet' package is not installed. Falling back to regular HTI
     WARNING:huggingface_hub.file_download:Xet Storage is enabled for this repo, but the 'hf_xet' package is not
     config.json: 100%
                                                               553/553 [00:00<00:00, 39.6kB/s]
                                                                                    335M/335M [00:16<00:00, 23.8MB/s]
     diffusion_pytorch_model.safetensors: 100%
     Loading pipeline components...: 100%
                                                                                6/6 [00:13<00:00, 2.78s/it]
     100%
                                                     50/50 [00:06<00:00, 8.24it/s]
pip install gradio
→ Collecting gradio
                                                                                                                    Downloading gradio-5.23.3-py3-none-any.whl.metadata (16 kB)
     Collecting aiofiles<24.0,>=22.0 (from gradio)
       Downloading aiofiles-23.2.1-py3-none-any.whl.metadata (9.7 kB)
     Requirement already satisfied: anyio<5.0,>=3.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (
     Collecting fastapi<1.0,>=0.115.2 (from gradio)
       Downloading fastapi-0.115.12-py3-none-any.whl.metadata (27 kB)
     Collecting ffmpy (from gradio)
       Downloading ffmpy-0.5.0-py3-none-any.whl.metadata (3.0 kB)
     Collecting gradio-client==1.8.0 (from gradio)
       Downloading gradio_client-1.8.0-py3-none-any.whl.metadata (7.1 kB)
     Collecting groovy~=0.1 (from gradio)
       Downloading groovy-0.1.2-py3-none-any.whl.metadata (6.1 kB)
     Requirement already satisfied: httpx>=0.24.1 in /usr/local/lib/python3.11/dist-packages (from gradio) (0.
     Requirement already satisfied: huggingface-hub>=0.28.1 in /usr/local/lib/python3.11/dist-packages (from g
```

```
Requirement already satisfied: jinja2<4.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (3.1.6 \_
     Requirement already satisfied: markupsafe<4.0,>=2.0 in /usr/local/lib/python3.11/dist-packages (from grad
     Requirement already satisfied: numpy<3.0,>=1.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (
     Requirement already satisfied: orjson~=3.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (3.10
     Requirement already satisfied: packaging in /usr/local/lib/python3.11/dist-packages (from gradio) (24.2)
     Requirement already satisfied: pandas<3.0,>=1.0 in /usr/local/lib/python3.11/dist-packages (from gradio)
     Requirement already satisfied: pillow<12.0,>=8.0 in /usr/local/lib/python3.11/dist-packages (from gradio)
     Requirement already satisfied: pydantic<2.12,>=2.0 in /usr/local/lib/python3.11/dist-packages (from gradi
     Collecting pydub (from gradio)
       Downloading pydub-0.25.1-py2.py3-none-any.whl.metadata (1.4 kB)
     Collecting python-multipart>=0.0.18 (from gradio)
       Downloading python_multipart-0.0.20-py3-none-any.whl.metadata (1.8 kB)
     Requirement already satisfied: pyyaml<7.0,>=5.0 in /usr/local/lib/python3.11/dist-packages (from gradio)
     Collecting ruff>=0.9.3 (from gradio)
       Downloading ruff-0.11.4-py3-none-manylinux_2_17_x86_64.manylinux2014_x86_64.whl.metadata (25 kB)
     Collecting safehttpx<0.2.0,>=0.1.6 (from gradio)
       Downloading safehttpx-0.1.6-py3-none-any.whl.metadata (4.2 kB)
     Collecting semantic-version~=2.0 (from gradio)
       Downloading semantic_version-2.10.0-py2.py3-none-any.whl.metadata (9.7 kB)
     Collecting starlette<1.0,>=0.40.0 (from gradio)
       Downloading starlette-0.46.1-py3-none-any.whl.metadata (6.2 kB)
     Collecting tomlkit<0.14.0,>=0.12.0 (from gradio)
       Downloading tomlkit-0.13.2-py3-none-any.whl.metadata (2.7 kB)
     Requirement already satisfied: typer<1.0,>=0.12 in /usr/local/lib/python3.11/dist-packages (from gradio)
     Requirement already satisfied: typing-extensions~=4.0 in /usr/local/lib/python3.11/dist-packages (from gr
     Collecting uvicorn>=0.14.0 (from gradio)
       Downloading uvicorn-0.34.0-py3-none-any.whl.metadata (6.5 kB)
     Requirement already satisfied: fsspec in /usr/local/lib/python3.11/dist-packages (from gradio-client==1.8
     Requirement already satisfied: websockets<16.0,>=10.0 in /usr/local/lib/python3.11/dist-packages (from gr
     Requirement already satisfied: idna>=2.8 in /usr/local/lib/python3.11/dist-packages (from anyio<5.0,>=3.0
     Requirement already satisfied: sniffio>=1.1 in /usr/local/lib/python3.11/dist-packages (from anyio<5.0,>=
     Requirement already satisfied: certifi in /usr/local/lib/python3.11/dist-packages (from httpx>=0.24.1->gr
     Requirement already satisfied: httpcore==1.* in /usr/local/lib/python3.11/dist-packages (from httpx>=0.24
     Requirement already satisfied: h11<0.15,>=0.13 in /usr/local/lib/python3.11/dist-packages (from httpcore=
     Requirement already satisfied: filelock in /usr/local/lib/python3.11/dist-packages (from huggingface-hub>
     Requirement already satisfied: requests in /usr/local/lib/python3.11/dist-packages (from huggingface-hub>
     Requirement already satisfied: tqdm>=4.42.1 in /usr/local/lib/python3.11/dist-packages (from huggingface-
     Requirement already satisfied: python-dateutil>=2.8.2 in /usr/local/lib/python3.11/dist-packages (from pa
     Requirement already satisfied: pytz>=2020.1 in /usr/local/lib/python3.11/dist-packages (from pandas<3.0,>
     Requirement already satisfied: tzdata>=2022.7 in /usr/local/lib/python3.11/dist-packages (from pandas<3.0
     Requirement already satisfied: annotated-types>=0.6.0 in /usr/local/lib/python3.11/dist-packages (from py
     Requirement already satisfied: pvdantic-core==2.33.0 in /usr/local/lib/pvthon3.11/dist-packages (from pvd
import gradio as gr
from diffusers import StableDiffusionPipeline, EulerDiscreteScheduler
import torch
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pipe = StableDiffusionPipeline.from_pretrained(model_id, scheduler=scheduler, torch_dtype=torch.float16)
pipe = pipe.to("cuda")
def generated_image(prompt):
   image = pipe(prompt).images[0]
   return image
gr.Interface(
   fn=generated_image,
   inputs=gr.Textbox(label="Enter your prompt"),
    outputs=gr.Image(type="pil"),
   title="Stable Diffusion 2.1 - S Shyamili's IMAGE GENERATOR APP",
    description="Enter text prompt and see the generated image"
).launch()
```



Loading pipeline components...: 100%

6/6 [00:23<00:00, 4.16s/it]

Running Gradio in a Colab notebook requires sharing enabled. Automatically setting `share=True` (you can tur

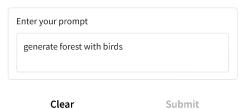
Colab notebook detected. To show errors in colab notebook, set debug=True in launch()

* Running on public URL: https://d7bcbce0d6e42d4082.gradio.live

This share link expires in 72 hours. For free permanent hosting and GPU upgrades, run `gradio deploy` from t

Stable Diffusion 2.1 - S Shyamili's IMAGE GENERATOR APP

Enter text prompt and see the generated image





Flag

Start coding or generate with AI.