!nvidia-smi



→ Sun Jul 27 05:48:52 2025

GPU Fan	Name Temp	Perf	Persisto Pwr:Usag		Bus-Id Me 	Disp.A mory-Usage	:	Uncorr. ECC Compute M. MIG M.
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N/A	45C	P0	27W /	70W	644MiB / 	15360MiB	0% 	Default N/A

Processes: GPU Memory GPU GT CT PID Type Process name Usage ID ID ______

Text Generator Model Using Huggingface Transformer + GPT2 Model

```
from collections.abc import Generator
from transformers import pipeline
generator = pipeline("text-generation", model= 'gpt2')
response = generator("what is Hugging Face", max_length = 50,num_return_sequences=1)
print(response[0]['generated_text'])
```

→ set to use cuda:0

ion was not explicitly activated but `max_length` is provided a specific value, please use `truncation=True` to explicitly truncate ϵ `pad_token_id` to `eos_token_id`:50256 for open-end generation.

ax_new_tokens` (=256) and `max_length`(=50) seem to have been set. `max_new_tokens` will take precedence. Please refer to the docume Hugging Face on the Face and how do you deal with it?)

shame that, because of some of the more egregious things, we have to wait for the new season of the show to come out.

now, I'm on my own.

t that I'm opposed to it - I just don't think it's a great idea.

point, it's not a great idea.

I've tried it once before, and I think it's a good idea.

etimes I feel like I don't know if it's going to work.

ant to do them with a little more nuance.

n to doing it all with a little more perspective.

know, this season of the show is kind of just starting to get started, so I think it's a good idea to give me some ideas.

like we'll be able to bring in some of the other characters that come in.

iously you have a lot of new things coming in, so I'm not sure what those are.

re not going to have a lot of new characters.

NER (Named Entitiy Recognization)

```
from transformers import pipeline
ner = pipeline('ner', grouped_entities=True)
entities = ner('Hugging Fsce is based on NYC and Partner with Google $200 dollar price')
print(entities)
```

No model was supplied, defaulted to dbmdz/bert-large-cased-finetuned-conll03-english and revision 4c53496 (https://huggingface.co/dl Using a pipeline without specifying a model name and revision in production is not recommended.

Some weights of the model checkpoint at dbmdz/bert-large-cased-finetuned-conll03-english were not used when initializing BertForToke - This IS expected if you are initializing BertForTokenClassification from the checkpoint of a model trained on another task or with - This IS NOT expected if you are initializing BertForTokenClassification from the checkpoint of a model that you expect to be exact

Device set to use cuda:0 [{'entity_group': 'ORG', 'score': np.float32(0.47314808), 'word': 'F', 'start': 8, 'end': 9}, {'entity_group': 'ORG', 'score': np.fl /usr/local/lib/python3.11/dist-packages/transformers/pipelines/token_classification.py:181: UserWarning: `grouped_entities` is depre warnings.warn(

```
from transformers import pipeline
ner = pipeline('ner', grouped_entities=True)
entities = ner('My name is Janhavi')
print(entities)
```

No model was supplied, defaulted to dbmdz/bert-large-cased-finetuned-conll03-english and revision 4c53496 (https://huggingface.co/dl Using a pipeline without specifying a model name and revision in production is not recommended.

Some weights of the model checkpoint at dbmdz/bert-large-cased-finetuned-conll03-english were not used when initializing BertForToke This IS expected if you are initializing BertForTokenClassification from the checkpoint of a model trained on another task or with - This IS NOT expected if you are initializing BertForTokenClassification from the checkpoint of a model that you expect to be exact Device set to use cuda:0

[{'entity_group': 'PER', 'score': np.float32(0.90683293), 'word': 'Janhavi', 'start': 11, 'end': 18}] /usr/local/lib/python3.11/dist-packages/transformers/pipelines/token_classification.py:181: UserWarning: `grouped_entities` is depre warnings.warn(

Sentiment Analysis

```
!pip install transformers datasets
 ⇒ eady satisfied: transformers in /usr/local/lib/python3.11/dist-packages (4.53.3)
        eady satisfied: datasets in /usr/local/lib/python3.11/dist-packages (4.0.0)
         \verb| addy satisfied: filelock in /usr/local/lib/python 3.11/dist-packages (from transformers) (3.18.0) \\
        eady satisfied: huggingface-hub<1.0,>=0.30.0 in /usr/local/lib/python3.11/dist-packages (from transformers) (0.33.4)
        eady satisfied: numpy>=1.17 in /usr/local/lib/python3.11/dist-packages (from transformers) (2.0.2)
        eady satisfied: packaging>=20.0 in /usr/local/lib/python3.11/dist-packages (from transformers) (25.0)
        eady satisfied: pyyaml>=5.1 in /usr/local/lib/python3.11/dist-packages (from transformers) (6.0.2)
        eady satisfied: regex!=2019.12.17 in /usr/local/lib/python3.11/dist-packages (from transformers) (2024.11.6)
        eady satisfied: requests in /usr/local/lib/python3.11/dist-packages (from transformers) (2.32.3)
        eady satisfied: tokenizers<0.22,>=0.21 in /usr/local/lib/python3.11/dist-packages (from transformers) (0.21.2)
        eady satisfied: safetensors>=0.4.3 in /usr/local/lib/python3.11/dist-packages (from transformers) (0.5.3)
        eady satisfied: tqdm>=4.27 in /usr/local/lib/python3.11/dist-packages (from transformers) (4.67.1)
        eady satisfied: pyarrow>=15.0.0 in /usr/local/lib/python3.11/dist-packages (from datasets) (18.1.0)
        \verb| addy satisfied: dill<0.3.9,>=0.3.0 in /usr/local/lib/python3.11/dist-packages (from datasets) (0.3.8) \\
        eady satisfied: pandas in /usr/local/lib/python3.11/dist-packages (from datasets) (2.2.2)
        eady satisfied: xxhash in /usr/local/lib/python3.11/dist-packages (from datasets) (3.5.0)
        eady satisfied: multiprocess<0.70.17 in /usr/local/lib/python3.11/dist-packages (from datasets) (0.70.16)
        eady satisfied: fsspec<=2025.3.0,>=2023.1.0 in /usr/local/lib/python3.11/dist-packages (from fsspec[http]<=2025.3.0,>=2023.1.0->datas
        eady satisfied: aiohttp!=4.0.0a0,!=4.0.0a1 in /usr/local/lib/python3.11/dist-packages (from fsspec[http]<=2025.3.0,>=2023.1.0->datase
        eady satisfied: typing-extensions>=3.7.4.3 in /usr/local/lib/python3.11/dist-packages (from huggingface-hub<1.0,>=0.30.0->transformer
        eady satisfied: hf-xet<2.0.0,>=1.1.2 in /usr/local/lib/python3.11/dist-packages (from huggingface-hub<1.0,>=0.30.0->transformers) (1
        eady satisfied: charset-normalizer<4,>=2 in /usr/local/lib/python3.11/dist-packages (from requests->transformers) (3.4.2)
        eady satisfied: idna<4,>=2.5 in /usr/local/lib/python3.11/dist-packages (from requests->transformers) (3.10)
        eady satisfied: urllib3<3,>=1.21.1 in /usr/local/lib/python3.11/dist-packages (from requests->transformers) (2.5.0)
        eady satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.11/dist-packages (from requests->transformers) (2025.7.14)
        eady satisfied: python-dateutil>=2.8.2 in /usr/local/lib/python3.11/dist-packages (from pandas->datasets) (2.9.0.post0)
        eady satisfied: pytz>=2020.1 in /usr/local/lib/python3.11/dist-packages (from pandas->datasets) (2025.2)
        eady satisfied: tzdata>=2022.7 in /usr/local/lib/python3.11/dist-packages (from pandas->datasets) (2025.2)
        eady satisfied: aiohappyeyeballs>=2.5.0 in /usr/local/lib/python3.11/dist-packages (from aiohttp!=4.0.0a0,!=4.0.0a1->fsspec[http]<=26
        \verb| aidy satisfied: aiosignal>=1.4.0 in /usr/local/lib/python3.11/dist-packages (from aiohttp!=4.0.0a0,!=4.0.0a1->fsspec[http]<=2025.3.0 in /usr/local/lib/python3.11/dist-packages (from aiohttp!=4.0.0a0,!=4.0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[http]<=0.0a1->fsspec[h
        eady satisfied: attrs>=17.3.0 in /usr/local/lib/python3.11/dist-packages (from aiohttp!=4.0.0a0,!=4.0.0a1->fsspec[http]<=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=2025.3.0,>=
        eady satisfied: frozenlist>=1.1.1 in /usr/local/lib/python3.11/dist-packages (from aiohttp!=4.0.0a0,!=4.0.0a1->fsspec[http]<=2025.3.6
        eady satisfied: multidict<7.0,>=4.5 in /usr/local/lib/python3.11/dist-packages (from aiohttp!=4.0.0a0,!=4.0.0a1->fsspec[http]<=2025.3
        eady satisfied: propcache>=0.2.0 in /usr/local/lib/python3.11/dist-packages (from aiohttp!=4.0.0a0,!=4.0.0a1->fsspec[http]<=2025.3.0
        eady satisfied: yarl<2.0,>=1.17.0 in /usr/local/lib/python3.11/dist-packages (from aiohttp!=4.0.0a0,!=4.0.0a1->fsspec[http]<=2025.3.6
        eady satisfied: six>=1.5 in /usr/local/lib/python3.11/dist-packages (from python-dateutil>=2.8.2->pandas->datasets) (1.17.0)
```

```
from transformers import pipeline
classifier = pipeline("sentiment-analysis")
result = classifier("I love Hugging Face Library Very Much, it is so nice")
print(result)
```

No model was supplied, defaulted to distilbert/distilbert-base-uncased-finetuned-sst-2-english and revision 714eb0f (https://hugging Using a pipeline without specifying a model name and revision in production is not recommended. Device set to use cuda:0 [{'label': 'POSITIVE', 'score': 0.999874472618103}]

from transformers import pipeline

```
classifier = pipeline("sentiment-analysis")
result = classifier("The Food is not tasty")
print(result)

No model was supplied, defaulted to distilbert/distilbert-base-uncased-finetuned-sst-2-english and revision 714eb0f (<a href="https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto.com/https://hugginguistalto
```

!pip install gradio

[{'label': 'NEGATIVE', 'score': 0.9997794032096863}]

```
puirement already satisfied: gradio in /usr/local/lib/python3.11/dist-packages (5.38.1)
   µuirement already satisfied: aiofiles<25.0,>=22.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (24.1.0)
   uirement already satisfied: anyio<5.0,>=3.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (4.9.0)
   juirement already satisfied: brotli>=1.1.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (1.1.0)
   |uirement already satisfied: fastapi<1.0,>=0.115.2 in /usr/local/lib/python3.11/dist-packages (from gradio) (0.116.1)
   uirement already satisfied: ffmpy in /usr/local/lib/python3.11/dist-packages (from gradio) (0.6.1)
   µuirement already satisfied: gradio-client==1.11.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (1.11.0)
   juirement already satisfied: groovy~=0.1 in /usr/local/lib/python3.11/dist-packages (from gradio) (0.1.2)
   |uirement already satisfied: httpx<1.0,>=0.24.1 in /usr/local/lib/python3.11/dist-packages (from gradio) (0.28.1)
   µuirement already satisfied: huggingface-hub>=0.28.1 in /usr/local/lib/python3.11/dist-packages (from gradio) (0.33.4)
   µuirement already satisfied: jinja2<4.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (3.1.6)</pre>
   µuirement already satisfied: markupsafe<4.0,>=2.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (3.0.2)
   µuirement already satisfied: numpy<3.0,>=1.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (2.0.2)
   µuirement already satisfied: orjson~=3.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (3.11.0)
   |uirement already satisfied: packaging in /usr/local/lib/python3.11/dist-packages (from gradio) (25.0)
   puirement already satisfied: pandas<3.0,>=1.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (2.2.2) puirement already satisfied: pillow<12.0,>=8.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (11.3.0)
   µuirement already satisfied: pydantic<2.12,>=2.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (2.11.7)
   µuirement already satisfied: pydub in /usr/local/lib/python3.11/dist-packages (from gradio) (0.25.1)
   µuirement already satisfied: python-multipart>=0.0.18 in /usr/local/lib/python3.11/dist-packages (from gradio) (0.0.20)
   µuirement already satisfied: pyyaml<7.0,>=5.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (6.0.2)
   µuirement already satisfied: ruff>=0.9.3 in /usr/local/lib/python3.11/dist-packages (from gradio) (0.12.4)
   µuirement already satisfied: safehttpx<0.2.0,>=0.1.6 in /usr/local/lib/python3.11/dist-packages (from gradio) (0.1.6)
   uirement already satisfied: semantic-version~=2.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (2.10.0)
   uirement already satisfied: starlette<1.0,>=0.40.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (0.47.2)
   µuirement already satisfied: tomlkit<0.14.0,>=0.12.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (0.13.3)
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   uirement already satisfied: typing-extensions~=4.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (4.14.1)
   µuirement already satisfied: uvicorn>=0.14.0 in /usr/local/lib/python3.11/dist-packages (from gradio) (0.35.0)
   µuirement already satisfied: fsspec in /usr/local/lib/python3.11/dist-packages (from gradio-client==1.11.0->gradio) (2025.3.0)
   µuirement already satisfied: websockets<16.0,>=10.0 in /usr/local/lib/python3.11/dist-packages (from gradio-client==1.11.0->gradio) (
   µuirement already satisfied: idna>=2.8 in /usr/local/lib/python3.11/dist-packages (from anyio<5.0,>=3.0->gradio) (3.10)
   µuirement already satisfied: sniffio>=1.1 in /usr/local/lib/python3.11/dist-packages (from anyio<5.0,>=3.0->gradio) (1.3.1)
   uirement already satisfied: certifi in /usr/local/lib/python3.11/dist-packages (from httpx<1.0,>=0.24.1->gradio) (2025.7.14)
   µuirement already satisfied: httpcore==1.* in /usr/local/lib/python3.11/dist-packages (from httpx<1.0,>=0.24.1->gradio) (1.0.9)
   uirement already satisfied: h11>=0.16 in /usr/local/lib/python3.11/dist-packages (from httpcore==1.*->httpx<1.0,>=0.24.1->gradio) (0
   uirement already satisfied: filelock in /usr/local/lib/python3.11/dist-packages (from huggingface-hub>=0.28.1->gradio) (3.18.0)
   uirement already satisfied: requests in /usr/local/lib/python3.11/dist-packages (from huggingface-hub>=0.28.1->gradio) (2.32.3)
   |uirement already satisfied: tqdm>=4.42.1 in /usr/local/lib/python3.11/dist-packages (from huggingface-hub>=0.28.1->gradio) (4.67.1)
   µuirement already satisfied: hf-xet<2.0.0,>=1.1.2 in /usr/local/lib/python3.11/dist-packages (from huggingface-hub>=0.28.1->gradio) (
   µuirement already satisfied: python-dateutil>=2.8.2 in /usr/local/lib/python3.11/dist-packages (from pandas<3.0,>=1.0->gradio) (2.9.0
   µuirement already satisfied: pytz>=2020.1 in /usr/local/lib/python3.11/dist-packages (from pandas<3.0,>=1.0->gradio) (2025.2)
   µuirement already satisfied: tzdata>=2022.7 in /usr/local/lib/python3.11/dist-packages (from pandas<3.0,>=1.0->gradio) (2025.2)
   |uirement already satisfied: annotated-types>=0.6.0 in /usr/local/lib/python3.11/dist-packages (from pydantic<2.12,>=2.0->gradio) (0.
   µuirement already satisfied: pydantic-core==2.33.2 in /usr/local/lib/python3.11/dist-packages (from pydantic<2.12,>=2.0->gradio) (2.3
   |uirement already satisfied: typing-inspection>=0.4.0 in /usr/local/lib/python3.11/dist-packages (from pydantic<2.12,>=2.0->gradio) (
   uirement already satisfied: click>=8.0.0 in /usr/local/lib/python3.11/dist-packages (from typer<1.0,>=0.12->gradio) (8.2.1)
   uirement already satisfied: shellingham>=1.3.0 in /usr/local/lib/python3.11/dist-packages (from typer<1.0,>=0.12->gradio) (1.5.4)
   µuirement already satisfied: rich>=10.11.0 in /usr/local/lib/python3.11/dist-packages (from typer<1.0,>=0.12->gradio) (13.9.4)
   uirement already satisfied: six>=1.5 in /usr/local/lib/python3.11/dist-packages (from python-dateutil>=2.8.2->pandas<3.0,>=1.0->grad
   |uirement already satisfied: markdown-it-py>=2.2.0 in /usr/local/lib/python3.11/dist-packages (from rich>=10.11.0->typer<1.0,>=0.12->
   µuirement already satisfied: pygments<3.0.0,>=2.13.0 in /usr/local/lib/python3.11/dist-packages (from rich>=10.11.0->typer<1.0,>=0.12
   µuirement already satisfied: charset-normalizer<4,>=2 in /usr/local/lib/python3.11/dist-packages (from requests->huggingface-hub>=0.2
   µuirement already satisfied: urllib3<3,>=1.21.1 in /usr/local/lib/python3.11/dist-packages (from requests->huggingface-hub>=0.28.1->g
   µuirement already satisfied: mdurl~=0.1 in /usr/local/lib/python3.11/dist-packages (from markdown-it-py>=2.2.0->rich>=10.11.0->typer
```

```
import gradio as gr
from transformers import pipeline

# Load the sentiment analysis pipeline
classifier = pipeline("sentiment-analysis")

def analyze_sentiment(text):
    result = classifier(text)[0]
    label = result['label']
    score = result['score']
    return f"Sentiment: {label} (confidence: {score:.2f})"

# Gradio Interface
gr.Interface(
    fn=analyze_sentiment,
    inputs="text",
    outputs="text",
    outputs="text",
    title="Sentiment Analysis",
```

```
description="Enter a sentence to analyze its sentiment"
).launch()
\rightarrow \overline{\phantom{a}}
         model was supplied, defaulted to distilbert/distilbert-base-uncased-finetuned-sst-2-english and revision 714eb0f (https://hugging
         ng a pipeline without specifying a model name and revision in production is not recommended.
         ice set to use cuda:0
         looks like you are running Gradio on a hosted Jupyter notebook, which requires `share=True`. Automatically setting `share=True` (
         ab notebook detected. To show errors in colab notebook, set debug=True in launch()
         unning on public URL: <a href="https://103f926927973039ec.gradio.live">https://103f926927973039ec.gradio.live</a>
         ; share link expires in 1 week. For free permanent hosting and GPU upgrades, run `gradio deploy` from the terminal in the working
                                                                Sentiment Analysis
          Enter a sentence to analyze its sentiment
            text
                                                                                  output
             Genrative Ai Model
                                                                                    Sentiment: POSITIVE (confidence: 0.91)
                        Clear
                                                          Submit
                                                                                                                 Flag
```

Use via API 🥖 · Built with Gradio 🧇 · Settings 🏩

Text To Image Model Using Diffusion Pipeline

```
from diffusers import StableDiffusionPipeline
import torch
model_id = "sd-legacy/stable-diffusion-v1-5"
pipe = StableDiffusionPipeline.from_pretrained(model_id, torch_dtype=torch.float16)
pipe = pipe.to("cuda")
prompt = "a photo of an Peacock Feather"
image = pipe(prompt).images[0]
image.save("Peacock Feather.png")
     Loading pipeline components...: 100%
                                                                              7/7 [00:31<00:00, 8.27s/it]
     100%
                                                    50/50 [00:08<00:00, 6.05it/s]
import gradio as gr
from diffusers import StableDiffusionPipeline
import torch
model_id = "sd-legacy/stable-diffusion-v1-5"
pipe = StableDiffusionPipeline.from_pretrained(model_id, torch_dtype=torch.float16)
pipe = pipe.to("cuda")
def generate_image(prompt):
    image = pipe(prompt).images[0]
    return image
# UI
gr.Interface(
    fn=generate_image,
    inputs=gr.Textbox(
        label="Enter your prompt",
        placeholder="a photo of an astronaut riding a horse on mars"
```

```
),
outputs=gr.Image(type='pil', label='Generated Image'),
title="Janhavi Landge Text - Image Generator",
description="Enter your prompt and see your generated image"
).launch()
```

ing pipeline components...: 100%

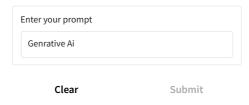
7/7 [00:23<00:00, 5.10s/it]

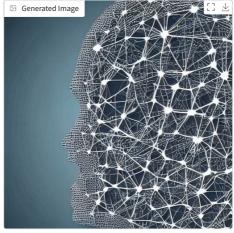
ooks like you are running Gradio on a hosted Jupyter notebook, which requires `share=True`. Automatically setting `share=True` (

b notebook detected. To show errors in colab notebook, set debug=True in launch() nning on public URL: https://8e0d6407824e2cfa65.gradio.live

share link expires in 1 week. For free permanent hosting and GPU upgrades, run `gradio deploy` from the terminal in the working

Enter your prompt and see your generated image





Flag

Start coding or $\underline{\text{generate}}$ with AI.