genAI Model Demo

Model Demo: kyramichel-ai/distilbert-sst2

This notebook provides a quick demonstration of how to load and use the fine-tuned DistilBERT model **“kyramichel-ai/distilbert-sst2”** for sentiment analysis. You’ll see examples of both single-sentence and batch inference, as well as how to leverage the Hugging Face pipeline for streamlined usage.

View on Hugging Face

```
!pip install --upgrade transformers torch
!pip install --upgrade huggingface_hub
```

```
from huggingface_hub import notebook_login
notebook_login()  # Paste your HF token when prompted
```

```
!pip install --upgrade transformers torch torchvision
```

```
from transformers import AutoTokenizer, AutoModelForSequenceClassification
tokenizer = AutoTokenizer.from_pretrained("kyramichel-ai/distilbert-sst2")
model     = AutoModelForSequenceClassification.from_pretrained("kyramichel-ai/disti
```

```
from transformers import AutoTokenizer, AutoModelForSequenceClassification
import torch

model_name = "kyramichel-ai/distilbert-sst2"
tokenizer  = AutoTokenizer.from_pretrained(model_name)
model      = AutoModelForSequenceClassification.from_pretrained(model_name)
model.eval()

# Quick test
text   = "What a fantastic movie!"
inputs = tokenizer(text, return_tensors="pt")
with torch.no_grad():
    outputs = model(**inputs)

print("Predicted label:", torch.argmax(outputs.logits, dim=1).item())
```

```
Predicted label: 1
```

🏁 Conclusion

The model correctly identified the sentiment of “What a fantastic movie!” as **positive** (label 1), demonstrating that **kyramichel-ai/distilbert-sst2** is ready for sentiment analysis tasks.