

----- GPT-2 web application using flask+nginx+gunicorn ---

Pretrained GPT-2 model is used for the application. To get the output of the GPT-2 model quickly I have limited the word count to 50 words. Reason for choosing this model was solely based on my interest to explore how the text is generated using AI. One of the learning outcome is the GPT-2 model is almost update-to-date with the current news about the COVID pandemic which is interesting. Thank you for the opportunity and looking forward for your response.

```
In [5]: import requests
import json
url = "http://0.0.0.0:8000/data"
data = "Food insecurity is worsening for some local residents due to the rising cost of living, driven by food and housing prices, plus employment instability caused by the pandemic. "
json_data = json.dumps(data)
headers = {'content-type': 'application/json', 'Accept-Charset': 'UTF-8'}
r = requests.post(url, data=json_data, headers=headers)
print("----- Input Phrase-----")
print(json_data)
print("----- GPT-2 Generted Phrase-----")
print(r.text)
```

```
----- Input Phrase-----
"Food insecurity is worsening for some local residents due to the rising cost of living, driven by food and housing prices, plus employment instability caused by the pandemic. "
----- GPT-2 Generted Phrase-----
{"generated_text": "Food insecurity is worsening for some local residents due to the rising cost of living, driven by food and housing prices, plus employment instability caused by the pandemic. \u00a0The government has also been forced to cut back on food aid to local communities."}
```

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In [2]: pwd
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Out[2]: '/home/uavproject/Desktop/Docker-gpt2'
```

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In [ ]:
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