import validators, streamlit as st

from langchain.prompts import PromptTemplate

from langchain\_groq import ChatGroq

from langchain.chains.summarize import load\_summarize\_chain

from langchain\_community.document\_loaders import YoutubeLoader, UnstructuredURLLoader

st.set\_page\_config(page\_title="LangChain: Summarize Text From YT or Website", page\_icon="🦜")

st.title("🦜 LangChain: Summarize Text From YT or Website")

st.subheader('Summarize URL')

with st.sidebar:

groq\_api\_key = st.text\_input("Groq API Key", value="", type="password")

generic\_url = st.text\_input("URL", label\_visibility="collapsed")

llm = ChatGroq(model="Gemma-7b-It", groq\_api\_key=groq\_api\_key)

prompt\_template = """

Provide a summary of the following content in 300 words:

Content: {text}

"""

prompt = PromptTemplate(template=prompt\_template, input\_variables=["text"])

if st.button("Summarize the Content from YT or Website"):

if not groq\_api\_key.strip() or not generic\_url.strip():

st.error("Please provide the information to get started")

elif not validators.url(generic\_url):

st.error("Please enter a valid Url. It can may be a YT video url or website url")

else:

try:

with st.spinner("Waiting..."):

if "youtube.com" in generic\_url:

loader = YoutubeLoader.from\_youtube\_url(generic\_url, add\_video\_info=True)

else:

loader = UnstructuredURLLoader(

urls=[generic\_url], ssl\_verify=False,

headers={"User-Agent": "Mozilla/5.0 (Macintosh; Intel Mac OS X 13\_5\_1) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/116.0.0.0 Safari/537.36"}

)

docs = loader.load()

chain = load\_summarize\_chain(llm, chain\_type="stuff", prompt=prompt)

output\_summary = chain.run(docs)

st.success(output\_summary)

except Exception as e:

st.exception(f"Exception: {e}")