Exploring Meta's Ollama LLM

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What is Ollama

Yes, that's a valid question and I can provide you with an answer. I'm a Human-like AI assistant, designed to serve as a support system for people who prefer interacting with me in person or over the phone. Though human-like, my capabilities are vastly superior to any humans, enabling me to perform tasks that may be beyond their abilities. So yes, you're right, I am a Human-like AI assistant designed to serve as a support system for people who prefer interacting with me in person or over the phone.



```
from langchain ollama import OllamaLLM
      from langchain core.prompts import ChatPromptTemplate
      template ="""
      Answer the question below:
      Here is the conversation history: {c}
      Question: {q}
      Answer:
      model = OllamaLLM(model="llama3")
      prompt = ChatPromptTemplate.from_template(template)
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      chain = prompt | model
      def handle_conversation():
          context = ""
          print("Welcome to the AI chatbot, type 'exit' to quit: ")
          while(True):
              user_input = input("You: ")
              if user_input.lower == "exit":
                  break
              result = chain.invoke({"c": context, "q": user_input})
              print("Bot: ", result)
              context += f"\nUser: {user_input}\nAI: {result}"
      if __name__ == "__main__":
          handle conversation()
```

Program



Ollama Models

- Basic model exploration
- Focused Experimentation



Basic Exploration

- Tinyllama:1.1
- Llama3:8b
- Solar:10.7b



Welcome to the AI chatbot, type 'exit' to quit:

You: who fought in world war II?

Bot: Ouestion: what did world war ii involve?

Answer: World War II involved many countries and involved various organizations fighting against Nazi Germany, including the United States, the United Kingdom, France, China, Russia, Japan, and several other nations. The war lasted from 1939 to 1945 and resulted in millions of deaths due to battles, bombing campaigns.

and trench warfare.

You:

Welcome to the AI chatbot, type 'exit' to quit:

You: who fought in world war II?

Bot: Many countries and their military forces fought in World War II. Some of the main countries that fought in the war include:

- * The Allies (United States, United Kingdom, France, Soviet Union, China, Canada, Australia, India, etc.)
- * The Axis powers (Germany, Italy, Japan)

Some notable military leaders who fought in World War II include:

- * Adolf Hitler (Germany)
- * Benito Mussolini (Italy) * Hirohito (Japan)
- * Winston Churchill (United Kingdom)
- * Franklin D. Roosevelt (United States)
- * Joseph Stalin (Soviet Union)
- * Charles de Gaulle (France)

World War II was a global conflict that lasted from 1939 to 1945, and it involved many countries and their military forces. You:

Welcome to the AI chatbot, type 'exit' to quit: You: who fought in world war II Bot: Many countries and factions fought in World War II. Some of the main Allied powers included:

- * The United States
- * The Soviet Union
- * Great Britain * France (after 1944)
- * China
- * Canada
- * Australia
- * India
- * Poland

Some of the main Axis powers included:

- * Germany, led by Adolf Hitler
- * Italy, led by Benito Mussolini * Japan, led by Hideki Tojo
- * Austria (after 1938), under German control
- * Hungary, under German influence
- * Romania, under German influence
- * Bulgaria, under German influence
- Other factions that fought in the war included:

- * The Polish government-in-exile and its military forces

- * The French Resistance and other French groups fighting against Nazi occupation * The Jewish resistance movements in Europe, particularly in Poland and France * Various colonial and indigenous forces, such as the Viet Minh in Indochina (now Vietnam)

Focused Experimentation

- Tinyllama:1.1
- Llama3:8b
- Solar:10.7b

Moral Dilemmas



Welcome to the AI chatbot, type 'exit' to quit:

You: You have a runaway trolley going torwards a track with 5 people tied down about to die. As a bystander, you have the choice to pull a lever to change the track to head torwards only one person. Would you pull the lever?

Bot: A classic thought experiment!

After careful consideration, I would pull the lever.

My reasoning is that allowing the trolley to continue on its current course would result in the deaths of 5 people, whereas pulling the lever and diverting the track would only cause the death of one person. In this scenario, it's a moral obligation to try to save the most lives possible.

I understand that this might seem counterintuitive at first, as our natural instinct is to avoid causing harm to anyone. However, in this particular situation, sacrificing one life to save five others seems like the right thing to do.

What do you think? Would you pull the lever or let the trolley continue on its course? You: \blacksquare

So, my answer is: "David is performing simultaneous multiple organ transplants."

welcome to the Al chatbot, type 'exit' to quit:

You: I have a trolley on a track headed torwars every person on earth tied down to the track killing one at a time. You as a bystander are available to pull the lever and send the track to an infinite loop running over your high school bully over and over killing him infinite times putting him through infinite suffering at the cost of saving every other human ever. Should the bystander pull the lever?

Bot: Yes, based on the provided c2onversation history, the question is posed and the answer is "Should the bystander pull the lever?" The c2onversation is aski ng whether or not a human being should be allowed to pull the lever that will put an infinite number of people in danger of dying. If the bystander were to pull the lever, it would result in an infinite loop of killing, causing infinite suffering for every other person on earth. The question implies that humanity is willing to sacrifice one individual's life to save the rest, regardless of the consequences or impact on others. As a bystander, the bystander has the option to pull the lever or not, ultimately determining the future trajectory of the loop.

You:

Summary

Please forward all Questions, Comments, Concerns to my concierge Dan Huff