Loading *Meta-Llama-3-8B* Using Ollama

Terminologies:

Ollama:

Ollama is an open-source tool designed for running and managing large language models (LLMs) locally on your own hardware. It supports several popular models, including LLaMA-2, CodeLLaMA, Falcon, and Mistral. The primary goal of Ollama is to make it easy for users to deploy and interact with these models without relying on cloud-based services, ensuring better control over data privacy and reducing costs associated with API usage.

Prerequisite:

Since we are integrating meta-llama/Meta-Llama-3-8B model in Ollama therefore its mandatory to that our system has atleast 8GB of RAM as size of out Meta-Llama-3-8B model is 4.7GB.

Steps to Load Meta-Llama-3-8B Using Ollama:

Step 1: Install Docker

Its preferable to ensure Docker is installed on your machine. Docker is necessary to run the models in a containerized environment. Install it as par your Machine's Operating System.

Step 2: Install Ollama

Download and Install Ollama as par your Machine's Operating System. You can ensure installation by opening your terminal and run the command: *ollama --version*

Step 3: Model Selection

Below are the list of models that are supported by Ollama, select as par your requirement.

Model	Parameters	Size	Download
Llama 3	8B	4.7GB	ollama run llama3
Llama 3	70B	40GB	ollama run llama3:70b
Phi 3 Mini	3.8B	2.3GB	ollama run phi3
Phi 3 Medium	14B	7.9GB	ollama run phi3:medium
Gemma 2	9B	5.5GB	ollama run gemma2
Gemma 2	27B	16GB	ollama run gemma2:27b
Mistral	7B	4.1GB	ollama run mistral
Moondream 2	1.4B	829MB	ollama run moondream
Neural Chat	7B	4.1GB	ollama run neural-chat
Starling	7B	4.1GB	ollama run starling-lm
Code Llama	7B	3.8GB	ollama run codellama
Llama 2 Uncensored	7B	3.8GB	ollama run llama2-uncensored
LLaVA	7B	4.5GB	ollama run llava
Solar	10.7B	6.1GB	ollama run solar

Note: You should have at least 8 GB of RAM available to run the 7B models, 16 GB to run the 13B models, and 32 GB to run the 33B models.

Step 4 Set Up and Run LLaMA 3:

->Pull the LLaMA 3 Model:

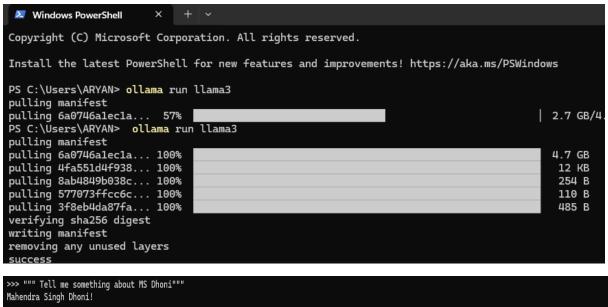
Open your terminal and run: ollama pull llama3

This command will download the LLaMA 3 model to your local machine.

->Run the Model: Afte r the model is downloaded, you can start a session with:

After selecting the model in our case Meta Llama3 run the following command in your command prompt.

ollama run llama3



MS Dhoni is a former Indian international cricketer who played as a wicket-keeper-batsman. He is widely regarded as one of the greatest wicket-keepers and finishers in cricket history. Here are some interesting facts about MS Dhoni:

- 1. **Captaincy record**: Dhoni is India's most successful captain in terms of Test victories, with 27 wins from 60 matches.
- 2. **Wicket-keeping record**: He holds the record for the most dismissals by a wicket-keeper in international cricket (383).
- 3. **Finisher extraordinaire**: Dhoni is famous for his ability to finish innings under pressure, scoring crucial runs when India needed them most.
- 4. **Leadership skills**: He led India to two World Cup finals (2007 and 2011) and three ICC Champions Trophy titles (2006, 2013, and 2017).

 5. **Record-breaking**: Dhoni holds the record for the fastest ODI century by an Indian captain (33 balls), and his 183 not out against Sri Lanka in 2005 is India's highest individual score in ODIs.
- 6. **Awards and recognition**: Dhoni has won numerous awards, including the ICC ODI Cricketer of the Year award twice (2008 and 2011) and the BCCI's Polly Umrigar Award for Best Player.
- 7. **Retirement**: Dhoni retired from international cricket in December 2012, but made a comeback to represent Chennai Super Kings in the Indian Premier League (IPL).
- 8. **Philanthropy**: He has been involved with various charitable initiatives, including the MS Dhoni Foundation, which focuses on education and healthcare for underprivileged children.
- 9. **Business ventures**: Dhoni has invested in several businesses, including a stake in the Indian Super League football team, ATK Mohun Bagan.

MS Dhoni's incredible career spanned over 15 years, earning him immense respect and admiration from fans worldwide. He remains an icon in Indian cricket and beyond!

Bibliography: https://github.com/ollama/ollama?tab=readme-ov-file