Ollama

Ollama

- 1. Large Language Model (LLM)
- 2. Ollama Installation
 Script Installation
- 3. Use Ollama
- 4. Ollama Uninstall

References

Demo Environment

Development board: Jetson Orin series motherboard

SSD: 128G

Tutorial Scope

Motherboard Model	Supported
Jetson Orin NX 16GB	$\sqrt{}$
Jetson Orin NX 8GB	\checkmark
Jetson Orin Nano 8GB	\checkmark
Jetson Orin Nano 4GB	V

Ollama is an open source tool that aims to simplify the deployment and operation of large language models, allowing users to use high-quality language models in local environments.

1. Large Language Model (LLM)

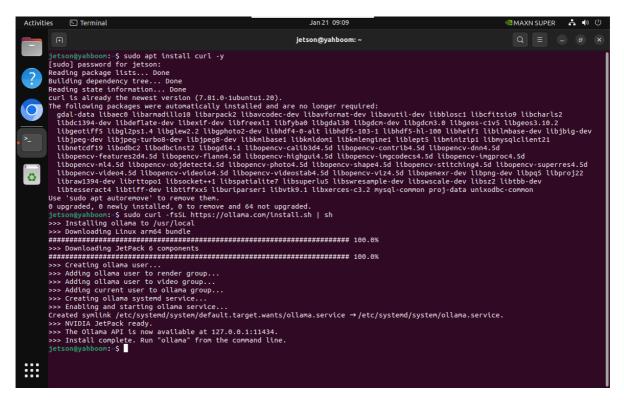
Large Language Models (LLM) are a type of advanced text generation system based on artificial intelligence technology. Its main feature is that it can learn and understand human language through large-scale training data and can generate natural and fluent text.

2. Ollama Installation

The tutorial demonstrates the use of scripts to install Ollama on the Jetson Orin series motherboard.

Script Installation

```
sudo apt install curl -y
sudo curl -fssL https://ollama.com/install.sh | sh
```



The entire installation process takes a long time, please wait patiently!

3. Use Ollama

Type ollama in the terminal and you will see the prompt:

Command	Purpose
ollama serve	Start ollama
ollama create	Create a model from a model file
ollama show	Show model information
ollama run	Run a model
ollama pull	Pull a model from a registry
ollama push	Push a model to a registry
ollama list	List models
ollama ps	List running models
ollama cp	Copy a model
ollama rm	Delete a model
ollama help	Get help information about any command

4. Ollama Uninstall

• Deleting a service

```
sudo systemctl stop ollama
sudo systemctl disable ollama
sudo rm /etc/systemd/system/ollama.service
```

• Deleting files

```
sudo rm $(which ollama)
```

• Deleting model and service users and groups

```
sudo rm -r /usr/share/ollama
sudo userdel ollama
sudo groupdel ollama
```

References

Ollama

Official website: https://ollama.com/

GitHub: https://github.com/ollama/ollama