# LLaVA-Phi3

#### LLaVA-Phi3

Model size

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References

#### **Demo Environment**

**Development board**: Jetson Orin series motherboard

**SSD**: 128G

**Tutorial application scope:** Whether the motherboard can run is related to the available memory of the system. The user's own environment and the programs running in the background may cause the model to fail to run

Motherboard model	Ollama	Open WebUI
Jetson Orin NX 16GB	V	√
Jetson Orin NX 8GB	$\checkmark$	√
Jetson Orin Nano 8GB	√	√
Jetson Orin Nano 4GB	V	√

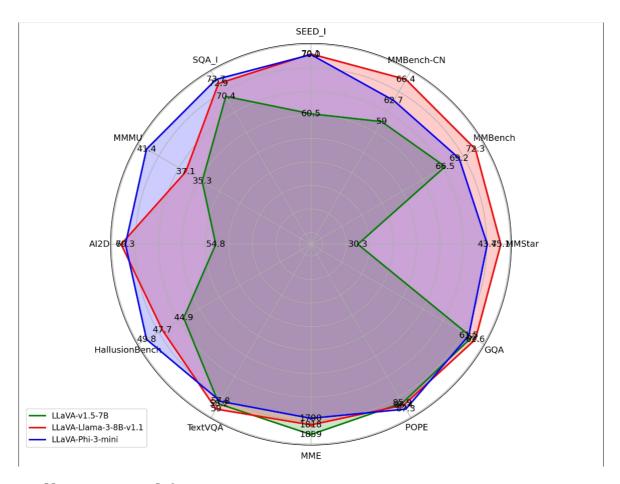
LLaVA-Phi3 is a LLaVA model fine-tuned from Phi 3 Mini 4k.

LLaVA (Large-scale Language and Vision Assistant) is a multimodal model that aims to achieve general vision and language understanding by combining visual encoders and large-scale language models.

### **Model size**

Model	Parameters
LLaVA-Phi3	3.8B

### **Performance**



## Pull LLaVA-Phi3

Using the pull command will automatically pull the model from the Ollama model library:

## Use LLaVA-Phi3

Use LLaVA-Phi3 to identify local image content.

### Run LLaVA-Phi3

If the system does not have a running model, the system will automatically pull the LLaVA-Phi3 3.8B model and run it:

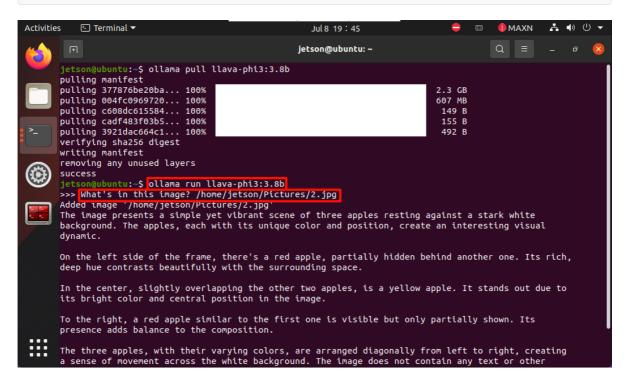
```
ollama run llava-phi3:3.8b
```

### Have a conversation

```
what's in this image? /home/jetson/Pictures/2.jpg
```

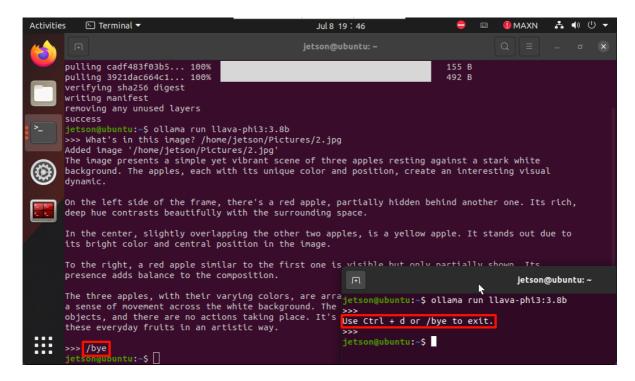
The time to reply to the question depends on the hardware configuration, so be patient!

If the image does not have a corresponding image, you can download the image yourself (the resolution should not be too large), and put the image path after the question!



#### **End the conversation**

Use the Ctrl+d shortcut key or /bye to end the conversation!



### References

Ollama

Official website: <a href="https://ollama.com/">https://ollama.com/</a>

GitHub: <a href="https://github.com/ollama/ollama">https://github.com/ollama/ollama</a>

LLaVA-Phi3

GitHub: https://github.com/InternLM/xtuner/tree/main

Ollama corresponding model: https://ollama.com/library/llava-phi3