

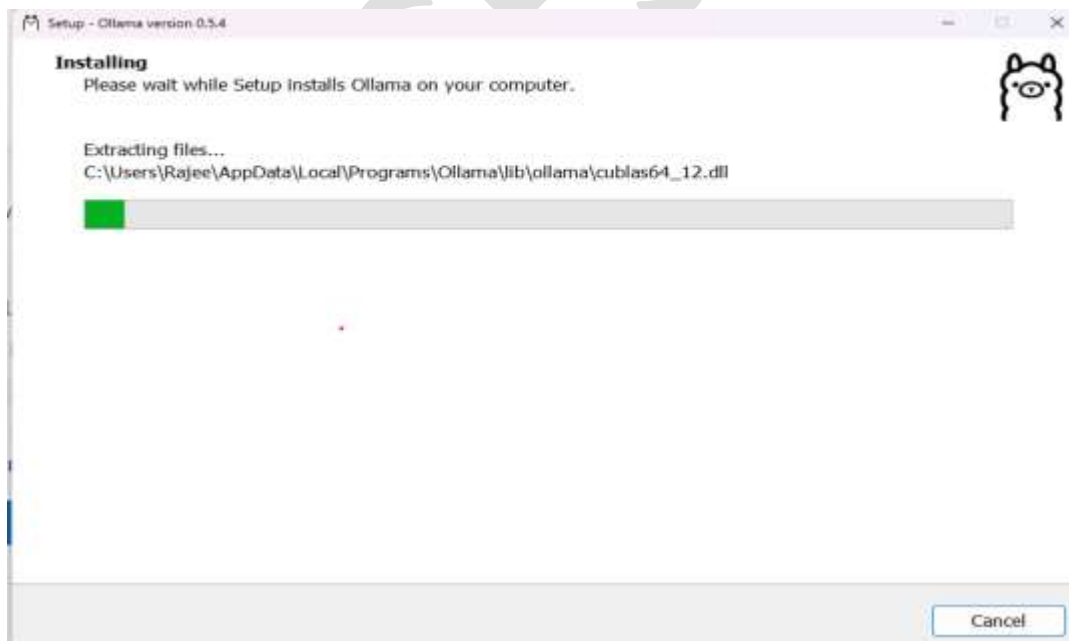
1.Download Ollama



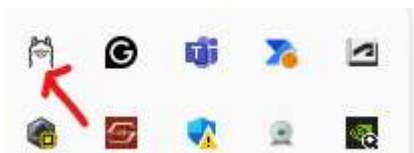
2.Git Link

[GitHub - ollama/ollama: Get up and running with Llama 3.3, Mistral, Gemma 2, and other large language models.](https://github.com/ollama/ollama)

3.Installation



4.Verify Installation



5. Installing llama3.2

```
Command Prompt - ollama r X + v
Microsoft Windows [Version 10.0.22631.4317]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Rajee>ollama run llama2
pulling manifest
Error: pull model manifest: file does not exist

C:\Users\Rajee>ollama run llama3.2
pulling manifest
pulling dde5aa3fc5ff... 100% 2.0 GB
pulling 966de95ca8a6... 100% 1.4 KB
pulling fcc5a6bec9da... 100% 7.7 KB
pulling a70ff7e570d9... 100% 6.0 KB
pulling 56bb8bd477a5... 100% 96 B
pulling 34bb5ab01051... 100% 561 B
verifying sha256 digest
writing manifest
success
>>> Send a message (/? for help)
```

```

C:\Users\Rajee>ollama run llama3.2
pulling manifest
pulling dde5aa3fc5ff... 100%
pulling 966de95ca8a6... 100%
pulling fcc5a6bec9da... 100%
pulling a70ff7e570d9... 100%
pulling 56bb8bd477a5... 100%
pulling 34bb5ab01051... 100%
verifying sha256 digest
writing manifest
success
>>> write a poem on India
In the land of spices and golden sun,
Where the Ganges River has just begun,
A tale of ancient civilizations old,
Echoes through the streets, stories untold.

From Himalayas to Kerala's shore,
The diversity of India we adore,
A melting pot of cultures, a tapestry so fine,
Weaving together threads of tradition divine.

In Mumbai's streets, where Bollywood reigns,
The rhythms of music and dance remain,
The scent of street food wafts through the air,
As people from all walks come to share.

In Rajasthan's forts, where history is told,
The whispers of emperors' tales unfold,
Of Jodhpur's blues, and Udaipur's night,
A symphony of enchantment takes flight.

In the north, where Himalayan peaks soar,
The snow-capped mountains whisper secrets more,
Tibetan monasteries stand as beacons bright,
Guiding seekers through the darkness of night.

In the south, where temples rise to the sky,
Krishna's love and devotion touch the eye,
Karnataka's beaches, a haven for the soul,
As the rhythms of Carnatic music take control.

From Ayurveda to yoga, the healing arts are key,
A holistic approach to life, a philosophy to see,
The ancient wisdom of India weaves its spell,
A tapestry of knowledge, secrets to tell.

In this land of contrasts, we find our way,
Through the maze of cultures, traditions sway,
India, a country of contradictions true,
Yet in its diversity, beauty shines through

```

```

In this land of contrasts, we find our way,
Through the maze of cultures, traditions sway,
India, a country of contradictions true,
Yet in its diversity, beauty shines through.

```

```

So let us walk the streets, and listen with the ear,
To the whispers of the past, and the stories that appear,
For in India's heart, a love story unfolds,
A tale of resilience, courage to be told.

```

```

>>> How many words were there
There are 328 words in the poem I wrote about India.

```

```

>>> Send a message (/? for help)

```

6. ollama run codellama

```
Microsoft Windows [Version 10.0.22631.4317]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Rajee>ollama run codellama
pulling manifest
pulling manifest
pulling 3a43f93b78ec... 100% 3.8 GB
pulling 8c17c2ebb0ea... 100% 7.0 KB
pulling 590d74a5569b... 100% 4.8 KB
pulling 2e0493f67d0c... 100% 59 B
pulling 7f6a57943a88... 100% 120 B
pulling 316526ac7323... 100% 529 B
verifying sha256 digest
writing manifest
success
>>> write a poem 100lines on Speed

Speed, the fastest of them all,
A force that drives us to stand tall.
With every step we take,
We move forward with a sense of fake.

From the moment we wake up each day,
To the moment we fall asleep in our way.
We are consumed by this drive to be fast,
To outrun time and leave our past.

We chase after it with every breath,
With every beat of our heart, we're in its death.
But at what cost? We sacrifice our health,
Our relationships, our happiness and wealth.

Yet we can't stop ourselves from speeding,
From the moment we hit the pedal to the metal.
We are trapped in this cycle of need,
To be fast, to succeed, to leave a legacy.

But what does it really mean to be fast?
Is it worth sacrificing our soul's last?
Do we lose ourselves in the rush of speed,
Or do we find true freedom and peace?

Only time will tell,
As we race through life with speed.

>>> Send a message (/? for help)
```

7. ollama run llava

```
Command Prompt - ollama r X + v
Microsoft Windows [Version 10.0.22631.4317]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Rajee>ollama run llava
pulling manifest
pulling 170370233dd5... 100% 4.1 GB
pulling 72d6f08a42f6... 100% 624 MB
pulling 43070e2d4e53... 100% 11 KB
pulling c43332387573... 100% 67 B
pulling ed11eda7790d... 100% 30 B
pulling 7c658f9561e5... 100% 564 B
verifying sha256 digest
writing manifest
success
>>>
>>>
>>>
>>> write a 100 line poem on speed
Speed is the rush of life

It's the thrill of taking flight
It's the adrenaline that pumps through our veins
And the sound of the wind in our ears
It's the roar of engines and the hiss of tires
The blur of the scenery passing by
Speed is the essence of life

It's the freedom we feel when we fly
It's the rush of the race car on the track
And the thrill of the skydiver in mid-air
It's the speedboat cutting through the waves
And the jet airplane soaring high in the sky
Speed is the power that drives us forward
It's the energy that keeps us alive
It's the force that propels us to reach new heights
And the passion that fuels our desire to fly.

>>> write a poem on India
India, oh India, land of diversity and culture so rich

A place where traditions run deep, where life moves at a different pitch
From the vibrant colors and festivals galore
To the spicy cuisine that's loved by all, and so much more.

India is a land of extremes, yet harmony prevails
From the snow-capped mountains to the sunlit plains
Where the Ganges flows and the Taj stands tall
```

8.To exit

```
only time will tell,
As we race through life with speed.

>>>
Use Ctrl + d or /bye to exit.
>>>

C:\Users\Rajee>
```

9.

```
C:\Users\Rajee>ollama run llama2
pulling manifest
pulling 8934d56d3f06... 100% 3.8 GB
pulling 8c17c2eb8ba... 100% 7.0 MB
pulling 7c21e34d03... 100% 4.0 MB
pulling 2e8493f4706c... 100% 35 B
pulling 4a304d0708d... 100% 91 B
pulling 42ba7f8a01dd... 100% 357 B
verifying sha256 digest
writing manifest
success
>>> Send a message (/?) for help)
```

10.

```
Microsoft Windows [Version 10.0.22631.4317]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Rajee>ollama run phi
pulling manifest
pulling 04778965889b... 100% 1.6 GB
pulling 7908abcab772... 100% 1.0 KB
pulling 774a15e6f1e5... 100% 77 B
pulling 3188becd6bae... 100% 132 B
pulling 0b8127ddf5ee... 100% 42 B
pulling 4ce4b16d33a3... 100% 555 B
verifying sha256 digest
writing manifest
success
>>> whats the color of the sky
AI

>>> whats the color of the sky
The color of the sky can vary depending on the time of day, weather conditions, and location. During the daytime, the sky appears blue due to the scattering of sunlight by the Earth's atmosphere. At night, the sky is darker and may appear black, with stars or a red hue from the reflection of the moon.
```

11.In jupyter

```
[ ]: pip install -U langchain-ollama

[2]: from langchain_ollama import OllamaLLM

llm = OllamaLLM(model="phi")

try:
    response = llm.invoke("tell me a math joke")
    print(response)
except Exception as e:
    print(f"An error occurred: {e}")

Why was 6 afraid of 7? Because 7 8 9! (a play on the famous "What time is it?" scene in the movie "The Hangover" where the question and answer are spoken as numbers)
```

12.Different example

```
from langchain_ollama import OllamaLLM

llm = OllamaLLM(model="phi")

try:
    response = llm.invoke("tell me a physics joke")
    print(response)
except Exception as e:
    print(f"An error occurred: {e}")
```

Why did the bicycle fall over? Because it was two-tired!

Download a model: Grabs the model and gets it ready to run locally. (And it is really fun to try and say 3 times fast.)

ollama pull llama3

Run a model interactively: Starts a chat session with the model. Just type and go.

ollama run llama3

List installed models: Shows all the models currently available on your system.

ollama list

Run a different model on your list: Great for easily swapping between multiple installed models in a flash.

ollama run gemma

deepseek-r1:1.5b

ollama run deepseek-r1:1.5b

58.9M Downloads Updated 1 month ago

DeepSeek-R1 is a family of open reasoning models with performance approaching that of leading models, such as O3 and Gemini 2.5 Pro.

tools thinking 1.5b 7b 8b 14b 32b 70b 671b

Updated 2 months ago		e0979632db5e · 1.1GB
model	arch <code>open2</code> · parameters <code>1.78B</code> · quantization <code>Q4_K_M</code>	1.1GB
license	MIT License Copyright (c) 2023 DeepSeek Permission is hereby granted	1.1kB
params	{ "stop": ["< begin_of_sentence >", "< end_of_sentence >"] }	148B
template	{{- if .System }}{{ .System }}{{ end }} {{- range \$s, \$_ := .Messages	556B

Readme

```
C:\Users\Rajee>ollama remove moondream
Error: unknown command "remove" for "ollama"

C:\Users\Rajee>ollama run deepseek-r1:1.5b
pulling manifest
pulling aabd4debfc8: 7% ██████████ | 74 MB/1.1 GB 1.2 MB/s 14m29s
```



```
C:\Users\Rajee>ollama remove moondream
Error: unknown command "remove" for "ollama"

C:\Users\Rajee>ollama run deepseek-r1:1.5b
pulling manifest
pulling aab4ddebfc8: 100% 1.1 GB
pulling c5ad996bda6e: 100% 556 B
pulling 6e4c38e1172f: 100% 1.1 MB
pulling f4d24e9138dd: 100% 148 B
pulling a85fe2a2e58e: 100% 487 B
verifying sha256 digest
writing manifest
success

>>> explain the diversity of china
China is a multi-ethnic country that includes over 500 ethnic groups as well as several small, independent nations (SIMs). The diverse landscape of China spans vast regions across four main continents and encompasses a wide variety of natural features. Here's an overview of its diversity:

### Geographical Diversity
1. Mountainous Regions: China is home to some of the highest mountains in the world, including Mount Everest
```

ollama run deepseek-r1:1.5b

```
C:\Users\Rajee>ollama list
NAME                ID                SIZE      MODIFIED
deepseek-r1:1.5b    e0979632db5a     1.1 GB    13 minutes ago
moondream:latest    55fc3abd3867     1.7 GB    8 months ago
phi:latest          e2fd6321a5fe     1.6 GB    8 months ago
llama2:latest       78e26419b446     3.8 GB    8 months ago
llava:latest        8dd30f6b0cb1     4.7 GB    8 months ago
codellama:latest    8fdf8f752f6e     3.8 GB    8 months ago
llama3.2:latest     a80c4f17acd5     2.0 GB    8 months ago

C:\Users\Rajee>ollama rm moondream
deleted 'moondream'

C:\Users\Rajee>ollama list
NAME                ID                SIZE      MODIFIED
deepseek-r1:1.5b    e0979632db5a     1.1 GB    15 minutes ago
phi:latest          e2fd6321a5fe     1.6 GB    8 months ago
llama2:latest       78e26419b446     3.8 GB    8 months ago
llava:latest        8dd30f6b0cb1     4.7 GB    8 months ago
codellama:latest    8fdf8f752f6e     3.8 GB    8 months ago
llama3.2:latest     a80c4f17acd5     2.0 GB    8 months ago

C:\Users\Rajee>
```