By MK Mahwete

How I installed Ollama + phi3:mini (AI assistance)

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AI is the future of technology and it has an impact of how we use technology from users to enterprise. More and more people incorporate AI in their day to day to complete tacks faster and more effective. This document will give you an insight on how I installed and use AI to my local Kali Linux machine.

Due to limited resources I will be installing a minimal model to meet my PC specs.

- CPU: Intel Celeron 4250u
- RAM: 4GB + 12GB VRAM (swap)
- Storage: 256GB SSD
- **You need a GPU for this model – because GPUs have more cores to process information than CPU**

Step 1: Update the system
Update the system by running this command in your terminal:

sudo apt update && sudo apt upgrade

Make sure that your system has wget or curl installed

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Step 2: Install Ollama
The official command to install ollama kali linux is:

curl https://ollama.com/install.sh | sh

```
┌──(mk-mahwete㉿lenovo-s145)-[~]
└─$ curl https://ollama.com/install.sh | sh

 % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                Dload  Upload   Total   Spent    Left  Speed
100 13281    0 13281    0     0  23002      0 --:--:-- --:--:-- --:--:-- 23057
>>> Installing ollama to /usr/local
[sudo] password for mk-mahwete:
>>> Downloading Linux amd64 bundle
###########                                                            15.5%
```

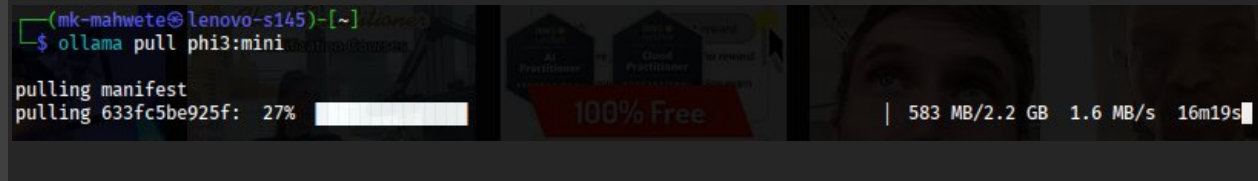once the download is complete, verify it by running this command:

Ollama —version

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Step 3: pull the model
The model that works best for low spec machines is **phi3:mini**, pull the model and download it. The model is around 2.2GB

Ollama pull phi3:mini

Once the model is done to download, run it with: `ollama run phi3:mini`

Optional: create an alias for the your model to make it feel like a real AI assistance, by opening config file of your shell.

`vim ~/.zshrc`

And just add this line:
`alias your_mode_name="ollama run phi3:mini"`

Everytime you want to run the model, just type the name of your AI model (your alias name) on the terminal.