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Ollama + HuggingFace

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Create Custom Models From Huggingface with Ollama

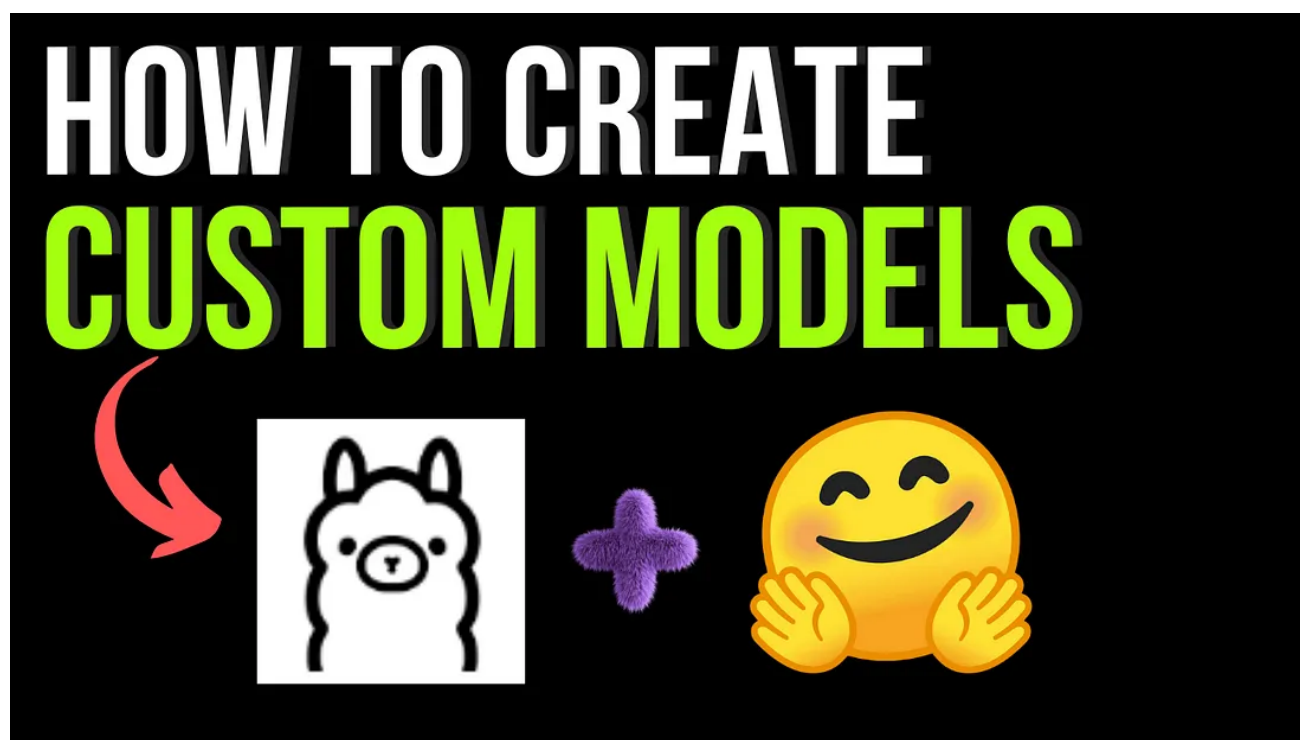

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Ollama helps you get up and running with large language models, locally in very easy and simple steps. Compared with Ollama, Huggingface has more than half a million models. Wouldn't it be cool, if we can create custom models from Huggingface with Ollama ? If your answer is yes, you landed in the right post 

If you are new to Ollama, I have created a playlist, take your time to go through it,

no pressure !

Here are the steps to create custom models.

1. Make sure you have Ollama installed and running (no walking 😊)
2. Go to huggingface website and download the model (I have downloaded the GGUF model)
3. Create a modelfile and input necessary things.
4. Create a model out of this modelfile and run it locally in the terminal.

Now, you might be wondering what are the necessary things to input in the modelfile, I know your thinking, here it is 😊 In this example, I am using the TheBloke/CapybaraHermes-2.5-Mistral-7B-GGUF model.

```
# Modelfile
FROM "./capybarahermes-2.5-mistral-7b.Q4_K_M.gguf"

PARAMETER stop "<|im_start|>"
```

```
PARAMETER stop "<|im_end|>"
```

```
TEMPLATE """
```

```
<|im_start|>system
```

```
{{ .System }}<|im_end|>
```

```
<|im_start|>user
```

```
{{ .Prompt }}<|im_end|>
```

```
<|im_start|>assistant
```

```
"""
```

You might also be thinking how to create and run the custom model, for that too, here it is 🙌

```
ollama create my-own-model -f Modelfile
```

```
ollama run my-own-model
```

Now, you know how to create a custom model from model hosted in Huggingface with Ollama. Give a try and good luck with it. Still, If you prefer a video walkthrough, here is the link.