DeepSeek-R1

warning

In our testing, we have found the Google Gemini performs better that DeepSeek models, likely because Goose relies heavily on tool calling and DeepSeek does not support it natively yet. When using DeepSeek, we currently recommend the 70B model size, which requires a powerful device to run smoothly.

Ollama provides open source LLMs, such as DeepSeek-r1, that you can install and run locally. Note that the native DeepSeek-r1 model doesn't support tool calling, however, we have a custom model you can use with Goose.

1. Download and install Ollama from ollama.com.
2. In a terminal window, run the following command to install the custom DeepSeek-r1 model:

```
ollama run michaelneale/deepseek-r1-goose
```

- Goose CLI
- Goose Desktop

3. In a separate terminal window, configure with Goose:

```
goose configure
```

4. Choose to Configure Providers

```
┌  goose-configure
│
◆  What would you like to configure?
│  ● Configure Providers (Change provider or update credentials)
│  ○ Toggle Extensions
│  ○ Add Extension
└
```

5. Choose Ollama as the model provider

```
┌  goose-configure
│
◇  What would you like to configure?
│  Configure Providers
│
◆  Which model provider should we use?
│  ○ Anthropic
│  ○ Databricks
│  ○ Google Gemini
```

```
│  ○ Groq
│  ● Ollama (Local open source models)
│  ○ OpenAI
│  ○ OpenRouter
└
```

6. Enter the installed deepseek-r1 model from above

```
┌  goose-configure
│
◇  What would you like to configure?
│  Configure Providers
│
◇  Which model provider should we use?
│  Ollama
│
◇  Enter a model from that provider:
│  michaelneale/deepseek-r1-goose
│
◇  Welcome! You're all set to explore and utilize my capabilities. Let's get started on solving your problems together!
│
└  Configuration saved successfully
```

Limitations

These free options are a great way to get started with Goose and explore its capabilities. However, if you need more advanced features or higher usage limits, you can upgrade to a paid plan with your LLM provider.