

# Fine-Tune

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- 1. ?????(????)
- 2. ?????
- 3. ?????
- 4. ????? (Fine-Tune)
- 5. ????????
- 6. ????????

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- YT: [Fintune Falcon Model](#)
- [LaWGPT](#) - ??????(?)????????

## Tools & Platform

Unsloth

[Unsloth](#) - Easily finetune & train LLMs

??????? Python ????????? GPU ????? Open Source ?????????

- GitHub: <https://github.com/unslothai/unsloth>

- YT: <https://www.youtube.com/watch?v=LPml-Ok5fUc>
- YT: [??Mistral V3????????? ????? #ai #llm #mistral #mistral7b #finetune #???? #???? #nlp #embedding - YouTube](#)
- Colab: [How to Finetune Llama-3 and Export to Ollama | Unsloth Docs](#)
- Colab: [Fine-Tuning Llama-2 LLM on Google Colab: A Step-by-Step Guide. | by Gathnex | Medium](#)

## Atlas

[Atlas by NOMIC](#) - ????????????????????

## AnythingLLM

?? Chat/Fine-Tune/Multi-Model ??????

- [??????LLMs????????? 20231228 - YouTube](#)

## LLaMA-Factory

- GitHub: <https://github.com/hiyouga/LLaMA-Factory>
- YT: [Llama3 ?????????????????? - YouTube](#)
- YT: [?LLaMA-Factory????????????? ??????????????WebUI ?????????????????? - YouTube](#)

## outlines

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- GitHub: <https://github.com/outlines-dev/outlines>

## InstructLab (IBM)

- [A new way to collaboratively customize LLMs - IBM Research](#)
- GitHub: <https://github.com/instructlab>
- Doc: [Welcome to InstructLab! - docs.instructlab.ai](#)
- HF: [instructlab \(InstructLab\) \(huggingface.co\)](#)
- Community: [community/Collaboration.md at main · instructlab/community · GitHub](#)

# Models

## Gemini-Pro

??? Gemini-Pro ????????????? Gemini API ???????? [Google AI Studio](#)? [Python SDK](#)? [REST API \(curl\)](#)?

- [??????](#) | [Google AI for Developers](#) | [Google for Developers](#)

## Mistral

?? [Mistral AI](#) ????? SDK ? API?

- GitHub: [mistralai/mistral-finetune \(github.com\)](#)
- [Mistral?????API?SDK????? | iThome](#)