



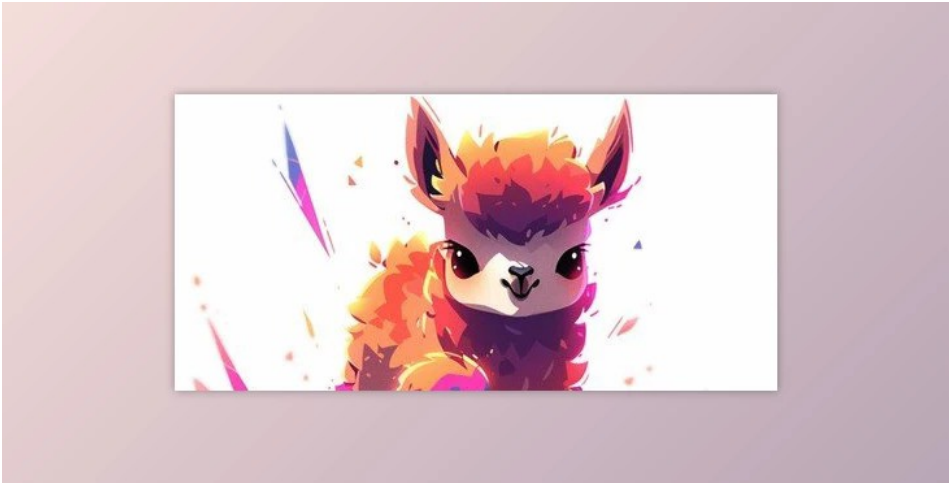
Master Fine Tuning with Llama, HuggingFace Transformers 2024

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Master Fine Tuning with Llama, HuggingFace Transformers 2024: Embark on a journey into the realm of artificial intelligence with our comprehensive Udemy course, tailored for enthusiasts eager to master supervised fine-tuning (SFT) using the formidable Tiny Llama 1.1B model. Perfect for data scientists, ML engineers, and anyone intrigued by the practical applications of fine-tuning large language models.

Our curriculum is meticulously designed to provide hands-on experience with the Tiny Llama 1.1B model, trained on a vast 3 trillion tokens and coupled with the Databricks-crafted Dolly 15k record dataset. Throughout this course, you'll not only grasp the fundamentals of SFT but also learn how to effectively utilize the HuggingFace Transformers library to preprocess your dataset, configure training, and assess accuracy, all within the accessible environment of Google Colab.

What You Will Learn:

- Introduction to Supervised Fine-Tuning (SFT): Acquire a solid understanding of the principles underlying SFT and its significance in tailoring cutting-edge language models to specific tasks.
- Exploring Tiny Llama 1.1B: Dive into the architecture and capabilities of the Tiny Llama 1.1B model, uncovering its pivotal role in the AI landscape.
- Dataset Preparation with Dolly 15k: Master the techniques for preparing and preprocessing the Dolly 15k record dataset, ensuring a seamless and efficient fine-tuning process.
- HuggingFace Transformers Library: Gain practical experience with the HuggingFace library, mastering model loading onto GPU and environment setup for training.
- Training Setup and Execution: Navigate the steps to configure and execute the fine-tuning process using Google Colab, focusing on practical implementation.
- Performance Evaluation: Learn to compute accuracy and evaluate your model's performance, leveraging metrics to validate the effectiveness of your SFT endeavors.
- Real-World Application: Translate your newfound skills into solving real-world problems, adapting your fine-tuned model across various domains.



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