Updated 09/30/2024

Sign up

LLama 3 training

2 days (14 hours)

Presentation

Build the future of AI with LLama 3 from Meta. Our LLama 3 training course will introduce you to this open source platform offering AI models, tools and resources.

During this course, you'll learn how to use powerful, tool-guaranteed tools to deploy, design and manage large-scale applications.

With LLama 3, you'll be able to generate code and natural language on code via code and natural language prompts.

So, with this great state-of-the-art language model, whether you're a developer, researcher or company, you'll be able to create, experiment with and responsibly evolve the generative AI proposed by the technology.

As with all our training courses, our LLama 3 training will be presented to you with its latest features.

Objectives

- Understanding the basics of the LLama 3 platform
- Putting safety techniques into practice with Meta Llama Guard
- Master the use of template cards and prompts
- Deploy LLama 3 on cloud platforms and optimize models

Target audience

- AI Engineers
- IT professionals

- Developers

Prerequisites

- Understanding programming languages
- Familiarity with cloud environments

OUR LLAMA 3 TRAINING PROGRAM

INTRODUCTION TO LLAMA 3

- Introducing the LLama 3 platform
- Exploring the ecosystem and associated tools
- Understanding the user interface and key functionalities
- Overview of LLama 3 use cases and application areas
- Installation and configuration

TEMPLATE CARDS AND PROMPT FORMATS

- Introduction to model maps
- Techniques for formulating effective prompts
- Practical exercises in creating and interpreting prompts
- Analysis of model responses and adjustment of prompts
- Case study : Using prompts in various scenarios

META LLAMA 3 AND ITS COMPONENTS

- Discover the specific features of Meta LLama 3
- Comparison with previous versions
- Identifying improvements and updates
- Practical implementation of Meta LLama 3 in projects
- Update management and model maintenance

META LLAMA GUARD AND META CODE LLAMA

- Introducing Meta LLama Guard 2 and Meta LLama Guard 1
- Understanding protection and security mechanisms
- Exploring code generation capabilities with Meta Code LLama 70B and Meta Code LLama
- Practical application of safety models in projects
- Best practices for securing LLama 3 deployments

LLAMA IN THE CLOUD AND OBTAINING MODELS

- LLama 3 deployment on various cloud platforms (AWS, Google Cloud, IBM Watson, Azure)
- How to access and download models from Meta, Hugging Face and Kaggle
- Cloud environment configuration
- Security and resource management in the cloud
- Using Llama Stack
- Vision and light models
- Workshop: Deploying LLama 3 in the cloud

FINE-TUNING, PROMPTING AND VALIDATION

- Fine-tuning techniques for customizing LLama 3 models
- Advanced prompting strategies
- Methods for evaluating and validating the performance of LLama 3 models
- Integrating LLama 3 into existing systems
- Practical workshop: Optimizing and validating an LLama 3 model

Companies concerned

This training course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.