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Sign up

Claude 3 training for developers
2 days (14 hours)

Presentation

Our Claude 3 training course for developers will enable you to benefit from the impressive performance of the AI model developed by Anthropic. Presented as the most advanced artificial intelligence model, Claude 3 boasts a host of features that make it extremely useful for developers.

Our program will teach you the basics of the model and give you an overview of the features that make it so powerful and practical for AI-assisted development. You'll learn the basics of programming and code generation with the tool.

You'll also learn how to interpret the JSON format and integrate with Langchain. You'll also learn how to create and deploy customized tools in your Claude 3 applications.

This training session will take place on the free version of the tool: Claude 3 haiku, which features most of the tool's advanced functions.

Objectives

- Understanding how Claude 3 works
- Generating code with Claude 3
- Integrating your code into Langchain
- Interpreting JSON format with Claude 3

Target audience

- **Developers**
- AI Engineers

Prerequisites

- Programming skills
- Familiarity with JSON format and the Langchain framework

OUR CLAUDE 3 TRAINING PROGRAM FOR DEVELOPERS

INTRODUCTION TO CLAUDE 3

- Overview of the evolution of natural language processing (NLP) and the emergence of Claude 3
- Understanding Anthropic's role in the development of AI and NLP
- Discover Claude 3's main features and innovations

CLAUDE 3 TECHNICAL ADVANCES

- Exploring the Transformer Éparse architecture
- Understanding the benefits of Transformer Reversible diapers
- Discussion of the impact of these advances on performance and efficiency

ADVANCED TRAINING TECHNIQUES

- Introduction to Curriculum-based learning
- Understanding self-supervised learning and its role in learning from unlabeled data
- Discover contrastive learning to improve semantic understanding

IMPROVED LANGUAGE COMPREHENSION AND GENERATION

- Multimodal integration for processing textual, visual and audio data
- Reasoning skills
- Controllable text generation techniques and their applications

USING CLAUDE 3 MODELS

- Setting up projects with the Anthropic API
- Creating, managing and using an API key
- Practical integration of Claude 3 in applications using the Anthropic SDK and Node.js

PROGRAMMING AND CODE EXAMPLES

- The basics of programming with text

- JSON processing and interpretation
- Using exemplars to guide text generation
- Coding for multimodal tasks and examples with LangChain

TOOL DEVELOPMENT AND INTEGRATION

- Creation of customized tools
- Development of tool logic and integration of responses into applications

SAFETY AND BEST PRACTICES

- Best practices for secure API key management
- Using environment variables for key management

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.