OpenAI Python API Bootcamp

Duration	Delivery Methods
2 Days	VILT, Private Group

In this comprehensive course, you will learn how to harness the power of OpenAI to build intelligent applications and solutions using Python. The OpenAI API is one of the most advanced artificial intelligence platforms available, providing a range of capabilities for natural language processing, computer vision, and more. With this API, you can create AI applications that can understand and respond to human language, generate text, perform sentiment analysis, and much more.

This course is project-oriented, with every section has a unique project designed to be the basis of a start-up idea! You'll gradually learn new skills as you proceed fr

This course includes 6-months access to the full course content in on-demand format to support post-class reference and review.

om project to project throughout the sections of the course

By the end of this course, you will have a solid understanding of how to use the OpenAI API with Python and will be able to integrate AI into your own projects. You will learn how to authenticate with the API, how to make API calls, and how to process and analyze the results. You will also learn how to perform NLP tasks, such as text generation and question

answering, and how to use the API for building AI-powered solutions.

Private classes on this topic are available. We can address your organization's issues, time constraints, and save you money, too. Contact us to find out how.

This course includes 6-months access to the full course content in on-demand format to support post-class reference and review.

Who Should Attend

Python developers looking to understand the full potential of the latest in OpenAI Python API

Course Objectives

- Understand the basics of the OpenAI API
- Learn to use OpenAI API with Python for various tasks
- Integrate OpenAI API into existing Python applications for added AI capabilities
- Understand how to apply OpenAI's GPT models
- Learn to create content and images automatically for users
- Set-up an OpenAI Account for API use
- Create potential start-up ideas through 10+ projects
- Learn how to use Text Embedding with OpenAI
- Discover how to use the DALLE-2 API to generate images

Agenda

INTRODUCTION

NATURAL LANGUAGE TO SQL

AUTOMATIC EXAM CREATOR

AUTOMATIC RECIPE AND DISH IMAGE CREATOR

AUTOMATIC BLOG POST CREATOR

GPT SENTIMENT ANALYSIS

AUTOMATIC CODE EXPLAINER- DOCSTRINGS

TRANSLATION PROJECT

FINE-TUNING AND CHATBOTS

TEXT EMBEDDING FOR QUESTION AND ANSWERING

CHATGPT-API

WHISPER API