Application Development with AI

Price: 2495

Duration: 3 days

Delivery Methods: Virtual

Overview

You will write custom GPTs for AI-assisted application development. You will gain a clear understanding of prompting techniques, building/configuring a custom GPT, and end-to-end application development with AI assistance. With over 39 labs and lectures, this hands-on intensive course is ideal for anyone needing to develop applications with AI assistance. Direct access to the AI platform is not required, as all traffic is managed through the training provider. An OpenAI Plus subscription is required, as the course content utilizes ChatGPT Premium features.

Audience Profile

- Application Developers
- Project Managers
- System Engineers
- DevOps Management

At Course Completion

- Develop and Write Code with AI
- Plan and Scope a Project with AI
- Build and Configure a Custom GPT
- Fine-Tune a Custom GPT
- Deploy an Application with AI Assistance
- Understand Large Language Models and Prompting
- Deploy Advanced Prompting Techniques
- Learn Complex Programming Concepts with AI

• Develop Instructions for a Custom GPT

• Defining Prompts and Parameters

• Introduction to AI-Assisted Application Development

Outline

Prompt Engineering

• Lecture: What is Intelligence?

• Lecture: Writing Prompts for LLMs

• Lecture + Lab: Prompting an AI Model

• Lecture + Lab: Define Prompt Parameters: Task/Inputs/Outputs/Constraints/Style

• Lecture + Lab: Prompt Techniques: Chaining, Set Role, Feedback, Examples

Class Project

• Challenge: Optional Class Project: Build and Deploy an Application with your own GPT

Build your own AI Application Development Assistant

• Lecture: Building Purpose Driven GPTs!

• Lecture + Lab: Develop Instructions for Custom GPT

• Lecture + Lab: Define Knowledge Base for a Custom GPT

• Lecture + Lab: Build a Custom GPT

• Challenge: Class Project: Build your own GPT Powered AI Application Development Assistant

Learn Programming Concepts with AI

• Lecture: Strategies for Learning with AI

• Lecture + Lab: Leveraging GPT for AI-Augmented Learning

Plan and Scope Application

• Lecture: AI-Augmented Project Planning

• Lecture + Lab: Project Plan/Scope Development with AI

• Challenge: Class Project: Scope out your Project /w AI

GitHub Copilot

• Lecture: Introduction to GitHub Copilot

• Lecture + Lab: GitHub Copilot Account Setup

• Lecture + Lab: Setup Copilot with VIM

• Lecture + Lab: Copilot in the CLI

AI Chat Interactions for Programing

• Lecture: ChatGPT 4 Code Interpreter (CI)

• Lecture: Optimizing Prompt Strategies for Code Generation

• Lecture + Lab: Execute Code using ChatGPT CI

Containerization and Microservices

• Lecture: Microservices Overview

• Lecture + Lab: Deploy Kubernetes Using Ansible

• Lecture + Lab: Using AI to Create/Manage a Docker Container

• Lecture + Lab: Deploy an Application in Kubernetes /w AI

Prerequisites

• Previous exposure to any programming language, preferably Python

• Experience writing prompts, or previous prompt engineering training/experience helpful, but not required

Course Schedule

Date	Time	Price	Options
09/23/2026	**09:00 AM - 05:00 PM CT**	**2,495.00**	**Buy Now Enroll**

Why Professional Choose TOPTALENT?

Dedicated Texas-Based Support

Get assistance every step of the way from our **Texas-based team**, ensuring your training experience is hassle-free and aligned with your goals.

3000+ Curated Professional Courses

Access an extensive portfolio of over 3000 courses across IT, Business Application and Leadership – Designed to meet evolving Industry demands

95% Client Approval Rating

Trusted by professionals nationwide our 95% approval rating reflects consistent quality, measurable impact and exceptional service.

Certified Industry Instructor

Learn from professionaly certified experts with real world experience and a proven commitment to learner success.

For questions

call:

(469) 721-6100

Email:

info@toptalentlearning.com

Find More Training

FAQ

What if I have to reschedule my class due to conflict?

Ten (10) business days' notice is required to reschedule a class with no additional fees. Notify TOPTALENT LEARNING as soon as possible at 469-721-6100 or by written notification to info@toptalentlearning.com to avoid rescheduling penalties.

How do I enroll for this class?

Please contact our team at 469-721-6100; we will gladly guide you through the online purchasing process.

What happens once I purchase a class?

You will receive a receipt and an enrollment confirmation sent to the email you submitted at purchase. Your enrollment email will have instructions on how to access the class. Any additional questions our team is here to support you. Please call us at 469-721-6100.

What is your late policy?

If a student is 15 minutes late, they risk losing their seat to a standby student. If a student is 30 minutes late or more, they will need to reschedule. A no-show fee will apply. Retakes are enrolled on a stand-by basis. The student must supply previously issued courseware. Additional fees may apply.

What happens when I finish my class?

You will receive a ‘Certificate of Completion’ once you complete the class. If you purchased an exam voucher for the class, a team member from TOPTALENT LEARNING will reach out to discuss your readiness for the voucher and make arrangements to send it.