

# Quick Start to Mastering Prompt Engineering for Software Developers (TTAI2300)

Category: AI

Duration: 8.00 hours (1 days)

6.5 CPD Hours

Rating: ★ 4.6 (5,878 reviews)

## Course Information

**Level:** Introductory

**Delivery Format:** Instructor Led - Online

## Course Overview

Quick Start to Prompt Engineering for Coders and Software Developers® is a one day course designed to get you quickly up and running with the prompting skills required to out AI to work for you in your development efforts. ® Guided by our AI expert, you'll explore key topics such as text preprocessing, data cleansing, GPT-4 tokenization, input formatting, prompt design, and optimization, as well as ethical considerations in prompt engineering.

## About This Course

Prompt Engineering offers coders and software developers a competitive edge by empowering them to develop more effective and efficient AI-driven solutions in their projects. By harnessing the capabilities of cutting-edge AI models like GPT-4, coders can automate repetitive tasks, enhance natural language understanding, and even generate code suggestions, boosting productivity and creativity. In addition, mastering prompt engineering can contribute to improved job security, as professionals with these in-demand skills are highly sought after in the rapidly evolving tech landscape.

Quick Start to Prompt Engineering for Coders and Software Developers is a one day course designed to get you quickly up and running with the prompting skills required to out AI to work for you in your development efforts. Guided by our AI expert, you'll explore key topics such as text preprocessing, data cleansing, GPT-4 tokenization, input formatting, prompt design, and optimization, as well as ethical considerations in prompt engineering.

In the hands-on labs you'll explore tasks such as formatting inputs for GPT-4, designing and optimizing prompts for business applications, and implementing multi-turn conversations with AI. You'll work with innovative tools like the OpenAI API, OpenAI Codex, and OpenAI Playground, enhancing your learning experience while preparing you for integrating prompt engineering into your professional toolkit.

By the end of this immersive course, you'll have the skills necessary to effectively use prompt engineering in your software development projects. You'll be able to design, optimize, and test prompts for various business tasks, integrate GPT-4 with other software platforms, and address ethical concerns in AI deployment.

## **Who Should Attend**

This hands-on course is geared for software developers who want to work with AI technologies to an advanced level to review, test and develop code.

## Prerequisites & Entry Requirements

### General Prerequisites:

To gain the most from attending this course you should possess the following incoming skills:

- Basic knowledge of programming concepts and syntax in Python.
- Familiarity with common data formats such as CSV, JSON, and XML.
- Experience using command-line interfaces and basic text editing tools.
- Understanding of basic machine learning concepts and algorithms.

# Learning Outcomes

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**Upon successful completion of this course, participants will be able to:**

Working in an interactive learning environment, led by our engaging expert, you will:

- Gain a solid understanding of prompt engineering concepts and their applications in software development and AI-driven solutions.
- Master the techniques for preprocessing and cleaning text data to ensure high-quality inputs for AI models like GPT-4.
- Develop expertise in GPT-4 tokenization, input formatting, and controlling model behavior for various tasks and requirements.
- Acquire the ability to design, optimize, and test prompts effectively, catering to diverse business applications and use cases.
- Learn advanced prompt engineering techniques, such as conditional text generation and multi-turn conversations, to create more sophisticated AI solutions.
- Practice creating prompts to generate, run, and test code in a chosen programming language using GPT-4 and OpenAI Codex.
- Understand the ethical implications and best practices in responsible AI deployment, ensuring fair and unbiased AI applications in software development.

## Additional Course Details

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Nexus Humans Quick Start to Mastering Prompt Engineering for Software Developers (TTAI2300) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the ITS Data Analytics course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

# Frequently Asked Questions

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## **Q: What delivery options are available for Quick Start to Mastering Prompt Engineering for Software Developers (TTAI2300)?**

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
  - Traditional Instructor-Led Classroom Training (ILT)
  - On-site delivery at your offices anywhere in United Kingdom
  - Private dedicated courses customized for your team
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## **Q: How many CPD hours does this course provide?**

The 1-day Quick Start to Mastering Prompt Engineering for Software Developers (TTAI2300) course provides up to 6.5 CPD hours of structured learning. CPD certificates can be provided upon request.

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## **Q: What is the duration of the Quick Start to Mastering Prompt Engineering for Software Developers (TTAI2300) training?**

The training takes place over 1 day(s), with each day lasting approximately 8.00 hours including breaks for lunch and refreshments.

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## **Q: Do you provide corporate training for Quick Start to Mastering Prompt Engineering for Software Developers (TTAI2300)?**

Yes, we provide corporate training, dedicated training, and closed classes for Quick Start to Mastering Prompt Engineering for Software Developers (TTAI2300). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

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## **Q: What related terms do people search for?**

Popular related searches include: AI; GPT; Prompt Engineering

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## Q: Why choose Nexus Human for Quick Start to Mastering Prompt Engineering for Software Developers (TTAI2300)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

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## Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Quick Start to Mastering Prompt Engineering for Software Developers (TTAI2300) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

# Nexus Human

## Professional Training & Development

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