Enterprise Computing Solutions - Education Services

TRAINING OFFERING

You can reach us at:

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AI+ Prompt Engineer Level 2™

CODE:	LENGTH:	PRICE:
EDU-AIC-AC-1302	8 Hours (1 day)	$495.00

Description

Mastering Advanced Techniques for Effective AI Prompting Prompt Mastery: Learn to design, refine, and optimise prompts across AI applications Hands-On Learning: Gain practical experience with advanced tools for prompt integration Real-World Focus: Solve real-world challenges using AI-driven prompt solutions Advanced Curriculum: Emphasises experimentation, project execution, and innovation Leadership-Oriented: Ideal for professionals bridging the gap between AI innovation and application.

Objectives

- AI Developers: Enhance your prompt engineering skills and optimize AI-driven applications for diverse use cases.
- Machine Learning Enthusiasts: Learn how to fine-tune models and improve AI performance with advanced prompting techniques.
- Tech Professionals: Integrate cutting-edge prompt engineering strategies into your AI solutions for greater impact.
- Students & New Graduates: Gain expertise in prompt engineering and boost your career prospects in the fast-growing AI field.
- AI Researchers & Practitioners: Deepen your knowledge of AI models and develop advanced prompt engineering techniques for real-world applications.

Audience

- AI Developers: Enhance your prompt engineering skills and optimize AI-driven applications for diverse use cases.
- Machine Learning Enthusiasts: Learn how to fine-tune models and improve AI performance with advanced prompting techniques.
- Tech Professionals: Integrate cutting-edge prompt engineering strategies into your AI solutions for greater impact.
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Prerequisites

- Familiarity with at least one programming language (Python recommended).
- Basic knowledge of RESTful services and API interactions.
- Basic understanding of AI concepts and language models.

Program

Module 1: Introduction to Prompt Engineering for Developers
• 1.1 Overview of Prompt Engineering
• 1.2 Basics of API Interaction
• 1.3 Understanding Prompt Structures
• 1.4 Case Studies and Best Practices
• 1.5 Hands-on Exercise
Module 2: Advanced Prompt Design and Engineering
• 2.1 Designing Advanced Prompt Techniques
• 2.2 Designing Multi-Turn Interactions

• 2.3 Contextual and Conditional Prompting
• 2.4 Crafting Domain-Specific Prompts
• 2.5 Contextual and Stateful Prompt Engineering
• 2.6 Meta-Prompting and Autonomous Refinement
• 2.7 Hands-on Exercise

Module 3: Experimentation and Optimization

• 3.1 Automated Prompt Optimization Tools
• 3.2 A/B Testing and Evaluation
• 3.3 Reinforcement Learning for Prompt Engineering

Module 4: Designing Advanced Strategies for Prompt Engineering

• 4.1 Contextual and Role-Based Prompting
• 4.2 Adaptive and Multimodal Prompting

Module 5: Integration with Development Tools

• 5.1 Integrating with Popular Development Tools for Prompt
• Engineering
• 5.2 Code Repositories and Templates for Prompt
• Engineering
• 5.3 Developer Communities and Forums for Prompt
• Engineering
• 5.4 Version Control in Prompt Engineering Projects

Module 6: Applications of Prompt Engineering in Various Domains

• 6.1 Natural Language Processing (NLP) Applications using
• Prompt Engineering
• 6.2 Business Applications using Prompt Engineering
• 6.3 Creative Applications using Prompt Engineering

Module 7: Project-Based Learning: Real-World AI Projects Using Prompt Engineering

• 7.1 Project 1: AI-Driven Customer Support
• 7.2 Project 2: Personalized Content Generation
• 7.3 Project 3: AI in Data Analysis
• Optional Module: AI Agents for Prompt Engineering
• 1. What Are AI Agents
• 2. Applications and Trends of AI Agents for Prompt Engineers
• 3. Importance of AI Agents
• 4. Types of AI Agents

Session Dates

On request. Please Contact Us

Additional Information

This training is also available as onsite training. Please contact us to find out more.