AI+ Prompt Engineer Level 2™

COURSE OVERVIEW

The AI+ Prompt Engineer™: Level 2 course explores advanced strategies for prompt engineering, including multi-turn interactions, contextual techniques, and optimization tools. Participants gain a deep understanding of creating effective, domain-specific prompts while integrating them into cutting-edge AI applications. The course bridges theoretical knowledge with practical applications in AI development.

All students receive:

- One-Year Subscription (with all updates)
- High-Quality E-Book
- AI Mentor for Personalized Guidance
- Quizzes, Assessments, and Course Resources
- Exam Study Guide
- Proctored Exam with one Free Retake

COURSE TARGET AUDIENCE
- AI Engineer
- IT Professional

PREREQUISITES
- Basic knowledge of RESTful services and API interactions.
- Basic understanding of AI concepts and language models.

COURSE OBJECTIVES
- Analyze and apply effective principles for crafting and optimizing prompts.
- Design advanced prompts for multi-turn interactions, contextual/conditional scenarios, and domain-specific use cases.
- Implement stateful and role-based prompt engineering strategies for adaptive and impactful AI solutions.
- Leverage meta-prompting and autonomous refinement techniques to enhance AI-driven interactions.
- Optimize prompts using automated tools, A/B testing, and reinforcement learning approaches.
- Seamlessly integrate prompts with development tools, repositories, and version control systems.

- Explore innovative applications of prompt engineering across domains such as NLP, business, and creative industries.
- Solve real-world challenges through hands-on projects in AI-driven customer support, personalized content creation, and data analysis.

COURSE OUTLINE

Introduction to Prompt Engineering for Developers

- Overview of Prompt Engineering
- Basics of API Interaction
- Understanding Prompt Structures
- Case Studies and Best Practices
- Hands-on Exercise

Advanced Prompt Design and Engineering

- Designing Advanced Prompt Techniques
- Designing Multi-Turn Interactions
- Contextual and Conditional Prompting
- Crafting Domain-Specific Prompts
- Contextual and Stateful Prompt Engineering
- Meta-Prompting and Autonomous Refinement
- Hands-on Exercise

Experimentation and Optimization

- Automated Prompt Optimization Tools
- A/B Testing and Evaluation
- Reinforcement Learning for Prompt Engineering

Designing Advanced Strategies for Prompt Engineering

- Contextual and Role-Based Prompting
- Adaptive and Multimodal Prompting

Integration with Development Tools

- Integrating with Popular Development Tools for Prompt Engineering
- Code Repositories and Templates for Prompt Engineering
- Developer Communities and Forums for Prompt Engineering
- Version Control in Prompt Engineering Projects

WHY TRAIN WITH SUNSET LEARNING INSTITUTE?

Sunset Learning Institute (SLI) has been an innovative leader in developing and delivering authorized technical training since 1996. Our goal is to help our customers optimize their technology Investments by providing convenient, high quality technical training that our customers can rely on. We empower students to master their desired technologies for their unique environments.

What sets SLI apart is not only our immense selection of trainings options, but our convenient and consistent delivery system. No matter how complex your environment is or where you are located, SLI is sure to have a training solution that you can count on!

Premiere World Class Instruction Team
- All SLI instructors have a four-year technical degree, instructor level certifications and field consulting work experience
- Sunset Learning has won numerous Instructor Excellence and Instructor Quality Distinction awards since 2012

Enhanced Learning Experience
- The goal of our instructors during class is ensure students understand the material, guide them through our labs and encourage questions and interactive discussions.

Convenient and Reliable Training Experience
- You have the option to attend classes live with the instructor, at any of our established training facilities, or from the convenience of your home or office
- All Sunset Learning Institute classes are guaranteed to run – you can count on us to deliver the training you need when you need it!

    Outstanding Customer Service
- You will work with a dedicated account manager to suggest the optimal learning path for you and/or your team
- An enthusiastic student services team is available to answer any questions and ensure a quality training experience

Interested in Private Group Training?

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