

Prompt Eng. Certification Course

Course Duration: 10 Days

Topics & Details

Introduction to Prompt Engineering:

- ★ Overview of Prompt Engineering
- ★ Definition and its importance
- ★ Basics of Natural Language Processing (NLP)
- ★ Key concepts NLP tools and libraries

Understanding AI Models:

- ★ Supervised vs unsupervised learning
- ★ Generative vs discriminative models
- ★ Popular AI Models for prompt engineering
- ★ GPT-3, BERT, T5, etc.

Crafting Effective Prompts:

- ★ Components of a good prompts
- ★ Techniques of writing prompts
- ★ Examples of successful prompts
- ★ Common pitfalls to avoid

Advanced Prompting Techniques:

- ★ Fine-Tuning prompts for specific tasks
- ★ Text generation, summarization, translation, etc.
- ★ Utilizing context and constrains
- ★ How to guide the AI effectively

Hands-On practice:

- ★ Real world scenarios and exercises
- ★ Practical examples and problem solving
- ★ Prompt debugging and iteration
- ★ Techniques to refine and improve prompts

Evolution and Optimization:

- ★ Measuring prompts effectiveness
- ★ Metrics and benchmarks
- ★ Continuous improvement
- ★ Feedback loops and iterative development

Ethical Consideration:

- ★ Ethical AI and prompt engineering
- ★ Bias detection and mitigation
- ★ Best Practices for responsive AI use
- ★ Ensuring fairness and transparency

Case Studies and Applications:

- ★ Industry case studies
- ★ Real-world applications of prompt engineering
- ★ Future trends in prompt engineering
- ★ Emerging technologies and advancements

Certification Exam Preparation:

- ★ Review of key concepts
- ★ Comprehensive overview
- ★ Practice tests and quizzes
- ★ Sample questions and test-taking strategies

Final Certification Exam:

- ★ Certification exam
- ★ Assessing knowledge and skills
- ★ Course completion and certification
- ★ Earning your prompt engineering certification

