Computers and Information Technology · IT261

AI Prompting Engineering

Mastering the Language of Large Language Models

Duration	Category	Ref
1 Week	**Computers and Information Technology**	**IT261**
Language	Certificate	
English	**Certificate of attendance**	

Introduction

The world of Artificial Intelligence is rapidly evolving, and at the forefront of this change are Large Language Models (LLMs). These powerful tools have the potential to revolutionise how we interact with information, generate creative content, and solve complex problems. However, unlocking their full potential requires a new skillset: AI Prompting Engineering.

This intensive 5-day training programme will equip you with the knowledge and techniques to become an expert prompt engineer. You'll learn how to craft clear, concise, and informative prompts that guide LLMs to generate the desired outputs. Whether you're a data scientist, marketer, writer, or simply someone who wants to leverage the power of AI, this programme will equip you with the skills to take your projects to the next level.

Course Objectives of AI Prompting Engineering

Upon completing this programme, participants will be able to:

- Understand the core principles of Large Language Models (LLMs) and their capabilities.
- Master the art of prompt engineering: crafting effective prompts to achieve specific goals.
- Explore various prompting techniques, including few-shot learning, in-context learning, and leveraging reference text.
- Learn how to evaluate the quality and effectiveness of your prompts.
- Gain hands-on experience by applying your newfound skills to real-world scenarios.

Course Methodology of AI Prompting Engineering

- Lectures and Expert Insights: Leading industry experts will share their insights and best practices.
- Case Studies: Analyse real-world talent acquisition challenges and solutions.
- Group Discussions: Engage in meaningful discussions and share experiences with peers.
- Role-Playing and Simulations: Practice recruitment scenarios to enhance skills.
- Hands-on Workshops: Gain practical experience in using recruitment tools and techniques.

Organisational Impact of AI Prompting Engineering

This training programme will have a positive impact on organisations by:

- Increased Efficiency: By crafting effective prompts, you can automate repetitive tasks and free up your team's time for more strategic work.
- Enhanced Creativity: Prompt engineering unlocks the creative potential of LLMs, allowing you to generate innovative ideas and content.
- Improved Decision Making: LLMs can analyse vast amounts of data, and effective prompts can help you extract valuable insights to inform your decision making.
- Competitive Advantage: By mastering AI prompting engineering, you can stay ahead of the curve and leverage the power of LLMs to gain a competitive edge.

Personal Impact of AI Prompting Engineering

Participants will experience personal growth and development, including:

- Become an AI Specialist: Develop a sought-after skillset in the rapidly growing field of Artificial Intelligence.
- Boost Your Productivity: Learn how to leverage AI tools to streamline your workflow and increase your output.
- Expand Your Skillset: Develop valuable skills in creative thinking, problem solving, and communication.
- Unlock New Possibilities: AI prompting engineering opens doors to exciting opportunities across various industries.

Who Should Attend

This training programme is ideal for:

- Data Scientists
- Machine Learning Engineers
- Marketers
- Content Creators
- Writers
- Researchers
- Business Professionals
- Anyone interested in Artificial Intelligence

Course Outlines

Day 1

Foundations of AI and LLMs

- Introduction to Artificial Intelligence and Machine Learning
- Understanding Large Language Models (LLMs) and their capabilities
- Different types of LLMs and their strengths and weaknesses
- Benefits and limitations of using LLMs

Day 2

The Art of Prompt Engineering

- Core principles of prompt engineering
- Crafting clear, concise, and informative prompts
- Guiding LLMs towards desired outputs
- Understanding context and its role in prompting

Day 3

Advanced Prompting Techniques

- Few-shot learning: Prompting with minimal examples
- In-context learning: Leveraging previous prompts and responses
- Utilising reference text to enhance accuracy and knowledge base
- Fine-tuning prompts for specific tasks and domains

Day 4

Evaluating and Refining Prompts

- Measuring the quality and effectiveness of prompts
- Techniques for debugging and improving poorly performing prompts
- Avoiding bias and ensuring ethical use of LLMs
- Best practices for managing and documenting prompts

Day 5

Real-World Applications of AI Prompting Engineering

- Case studies and examples across various industries
- Using LLMs for content creation, data analysis, and research
- Building practical applications with AI prompting engineering
- Exploring the future of AI and its potential impact

Ask us for a date for this course

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