



Maximizing Your Productivity With Strategic LLM Prompting

Syllabus

Unlock the next level of productivity in your professional work with our cutting-edge course. Designed exclusively for business professionals including executives, managers and engineers, this comprehensive training journey aims to revolutionize the way you approach projects and challenges. Through an in-depth exploration of advanced Large Language Model (LLM) prompting techniques, our training program provides a unique blend of theoretical knowledge and practical, hands-on experience.

Syllabus

Course 1: Prompting Explained

- Prompting Demystified at Algorithm Level
- Prompting processes
- Introduction to various Prompting IDEs

Course 2: LLM Foundation

- Building blocks of LLMs
- LLM concepts
- Let's build a language mode

Course 3: Fundamental Prompting Best Practices

- Write Clear Instructions

- Specify Output Length
- Use Delimiters
- Allow LLM to not Answer
- Use Cues
- Reiterate and Reformulate
- Order Matters
- Build Affordances

Course 4: Latest Prompting Techniques

- Impersonation
- Few-shot
- Chain-of-thought (CoT)
- Zero-shot-CoT
- Self-consistency (CoT-SC)
- Tree-of-thoughts (ToT)
- Least to most (LtM)
- PromptBreeder
- BatchPrompt
- Chain-of-table
- Automatic Prompt Engineer (APE)
- Active Prompting
- PAL (Program-Aided Language Models)
- Analogical Prompting

Course 5: Prompting for Complex Problems

- Reasoning Explained
- Reasoning Techniques
- Analogical Reasoners
 - Generated Knowledge
 - ReAct
 - DiVeRSe
 - AMA (Ask me anything)
 - ART (Automatic Reasoning and Tool-use)
 - Divide and Conquer Reasoning
- Scaffolding systems
 - Prompt Chaining
 - WizardLM
 - MetaGPT
 - FunSearch

- AlphaCode 2
- GPT Engineer
- GPT Pilot
- AutoGen

Course 6: AI Safety techniques

- AI Safety Explained
- Constitutional AI
- Debiasing