



# Prompt Engineering

Training and Certification

Cyber Security Educational Courses Professional Sessions

## ABOUT US

We offer Cyber Security and Information Security training and Certification in Delhi for Cyber Security and Information Technology aspirants. Since Decade, we have been in the Information Technology and Cybersecurity industry. You can learn more about cybersecurity, Techniques, and Tools to choose a better career path.

## DESCRIPTION

Prompt Engineering is a specialized technique used to design, structure, and optimize prompts for interacting with AI models, Large Language Models (LLMs), and AI-driven systems. It helps improve response accuracy, performance, security, and contextual understanding while enabling efficient communication between humans and intelligent AI applications.



Duration -  
40Hrs



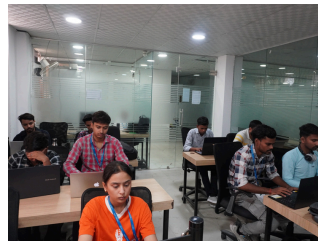
Language -  
Hindi & English



Mode -  
Online & Offline

## BENEFITS

1. Basic to Advanced Courses
2. Interview Cracking and Proposal-Making Sessions
3. Transparent Syllabus
4. Career-Oriented Courses and Certifications
5. International Accreditation



# CRAW

A C A D E M Y

### SAKET ADDRESS

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## PROMPT ENGINEERING COURSE MODULE



### Module 1: LLM Fundamentals

- What is a Large Language Model (LLM)?
- How LLMs understand language – tokens, tokenization & embeddings
- Role in LLMs
- Context Window – short vs long memory limits
- Training vs Inference in LLMs

### Module 3: Core Prompt Engineering Techniques

- What is a Large Language Model (LLM)?
- How LLMs understand language – tokens, tokenization & embeddings
- Role in LLMs
- Context Window – short vs long memory limits
- Training vs Inference in LLMs

### Module 6: Intro to AI Agent

- Intro to AI Agent
- Ai agent vs Basic LLMs Difference
- Use Lang chain to make AI-Workflow
- Tools in AI Agents

### Module 2: Prompt Engineering Basics

- What is a Prompt? – Instruction + Context + Output Format
- Input → Output Mapping concept
- Good vs Bad Prompts – clarity, specificity constraints
- Why prompt quality directly changes output quality

### Module 4: Prompt Design Framework – CLEAR

- Context, Length, Examples, Audience, Result
- Accurate and relevant responses
- Better clarity, consistency, and output quality

### Module 5: Tools & Ecosystem

- AI Platforms: ChatGPT, Claude, Gemini – usage strategies
- Hugging Face – open-source LLM models
- Vector Databases: ChromaDB, FAISS – semantic search
- Prompt templates in production systems
- APIs vs Local Models – when to use which

## CRAW SECURITY

LEARN | RESEARCH | INNOVATE

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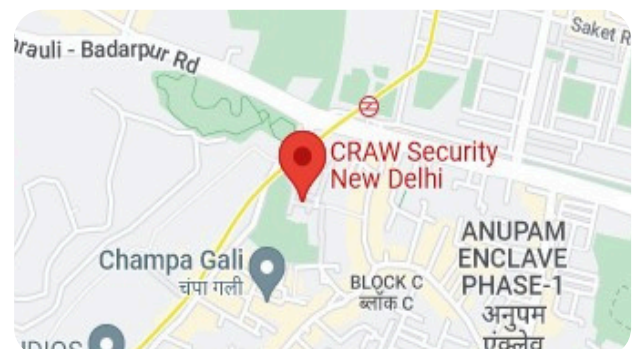
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## PROMPT ENGINEERING COURSE MODULE



### Module 7: Advanced Prompt Engineering

- Prompt Chaining – breaking complex tasks into sequential steps
- ReAct Framework – Reason + Act: tools inside prompts
- Tree of Thoughts – multiple reasoning paths, best solution selection
- Self-Consistency Prompting – generating and comparing multiple outputs
- Prompt Optimization – iterative improvement for better results
- Structured Output Control – JSON, API-ready formatted responses
- Prompt Debugging – fixing hallucinations, reducing ambiguity
- Context Optimization – efficient token usage in long windows

### Module 8: Local AI Models

- llama.cpp – running LLMs on CPU
- Ollama – easy local model runner
- Running models fully offline – privacy & speed
- Quantization – GGUF models for efficient inference
- GPU vs CPU inference – hardware considerations
- Chatbot Development with LLMs

### Module 9: AI Safety & Responsible AI

- Hallucinations in LLMs – causes and mitigation
- Bias in AI outputs – detection and correction
- Data privacy concerns & compliance
- Ethical AI usage principles

## TOOLS WE WILL LEARN TO USE



HUGGING FACE



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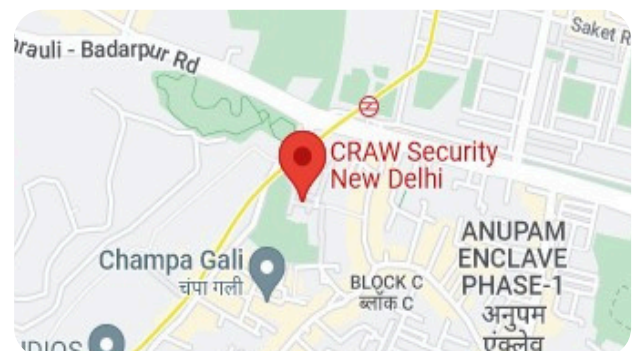
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