

COURSE CONTENT – ARTIFICIAL INTELLIGENCE

Introduction To AI And Python

- **What is AI?**
- **Why AI?**
- **Introduction To Python And Libraries**
- **AI Tools And Resources**

Machine Learning

- **Supervised Learning**
- **Unsupervised Learning**
- **Reinforcement Learning**

Deep Learning

- **Artificial Neural Networks**
- **Convolutional Neural Networks**
- **Recurrent Neural Networks**
- **Deep Learning Applications**

Introduction To LLMs

- **Define LLMs And Their Capabilities**
- **Discuss Prominent LLMs Like LaMDA, GPT-3, LLAMA**
- **Highlight The Limitations And Biases Of LLMs**

Exploring Prompt Engineering

- **Define Prompt Engineering And Its Role In Guiding LLM Outputs**
- **Introduce Different Prompting Techniques**
- **Discuss The Importance Of Clear, Concise, And Informative Prompts**



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- **Show Examples Of How Prompts Can Influence LLM Outputs**
- **Explore Real-World Applications Of LLMs In Various Fields**

Prompt Engineering With An LLM

- **Select A Specific LLM Platform**
- **Choose A Task Or Project That Involves LLM**
- **Experiment With Different Prompting Techniques To Achieve Desired Outputs**
- **Discuss The Challenges And Learnings From The Hands-on Experience**

Advance Topic Natural Language Processing

- **Natural Language Processing**
- **Text Analysis, Sentiment Analysis, Chatbots**

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