

EXPLORE GENERATIVE AI WORLD

Introduction

- Start your Generative AI journey today

What You'll Learn

- Basics of Generative AI
- Implement Transformer from scratch
- Working of LLM
- Apply LLM to real-world problems.
- Azure Generative AI
- Google Generative AI

Highlights

- Course Duration - 10 days (80 Hours)
- Number of Modules - 43

NOTE :- These modules are without sub topics.

DAY 1

SECTION 1 : Artificial Intelligence - A peek into the Digital World

Module 1: What is AI?

Module 2: How are companies embracing AI?

Module 3: Challenges and limitations of AI

Module 4: Use Cases of AI

Module 5: How AI saves the day?

SECTION 2 :- Introduction to Generative AI

Module 6: Introduction to Generative AI

Module 7: Generative AI Applications

DAY 2

SECTION 3 :- Prompt Engineering

Module 8: Learning Prompt Engineering using ChatGPT

Module 9: ChatGPT for Email Writing

Module 10: ChatGPT for Sales Professionals

Module 11: ChatGPT for HR Professionals

Module 12: ChatGPT for Marketing

Module 13: ChatGPT for Business Professionals

DAY 3

SECTION 4 :- OTHER AI TOOLS

Module 14: Text AI LLMs and Other

Module 15: Image, Video and Audio AI Models and Services

SECTION 5 :- Fundamental of Generative AI

Module 16: Basics of Probability and Statistics

Module 17: Introduction to Neural Networks

Module 18: Text Generation with Recurrent Neural Networks (RNNs), LSTM

DAY 4

SECTION 6:- Transformers

Module 19: Transformer

Module 20: Transformers and Attention Mechanisms - "Attention is all you need"

Module 21: Architecture of Transformer

Module 22: Fine-Tuning

Module 23: Transformers In-Depth

Module 20: Transformer from Scratch

Module 21: Industrialisation and demos

DAY 5

SECTION 7 :-Different Large Language Models (LLMs)

Module 22: Introduction to Large Language Models (LLMs)

Module 23: Customising LLM for own data

DAY 6

SECTION 8 :- Hugging Face

Module 24: Introduction to Hugging Face

MODULE 25: Hugging Face Models

MODULE 26: Hugging Face Datasets

MODULE 27: Hugging Face Documents

MODULE 28: Hugging Face Ecosystem: Pipelines and Tokenizers

MODULE 29: Model Interpretability and Explainability

MODULE 30: Advanced Topics in Hugging Face
MODULE 31: Project Showcase and Future Directions

SECTION 9 :- LangChain

MODULE 32: Advanced AI App Development using Langchain

DAY 7

SECTION 10:- Generative AI: core algorithms - VAE, GAN, LLM

MODULE 33: Autoencoders and Variational Autoencoders (VAEs)
MODULE 34: Introduction to Generative Adversarial Networks (GANs)
MODULE 35: Application Modules/ Noteworthy GAN Architectures

DAY 8

SECTION 11:-Google Generative AI

MODULE 36: Generative AI *on Google Cloud*
MODULE 37: *Intermediate/Multi-level*

DAY 9

SECTION 12 :- Azure Generative AI

MODULE 38: *Introduction to Azure OpenAI Service*
MODULE 39: *Get started with Azure OpenAI Service*
MODULE 40: *Build natural language solutions with Azure OpenAI Service*
MODULE 41: *Apply prompt engineering with Azure OpenAI Service*

DAY 10

SECTION 13 :-Responsible AI in GenAI

MODULE 42: Responsible AI in GenAI
MODULE 43:-: Capstone Project and Q&A

EXTRA

SECTION 14 :- Artificial Intelligence using Azure Cloud

MODULE 43: DP-100 : Data Science Solution on Azure (4 DAYS)
MODULE 44: AI-900 : Azure AI Fundamental (1 DAYS)

MODULE 45:AI-102 : Azure AI Solution	(4 DAYS)
MODULE 46:AI-050 : GenAI Solution	(1 DAYS)
MODULE 47:Copilot and Semantic Kernel	(1 DAYS)
