

DELVING INTO LLM'S

A Gen AI Workshop: Building Smart Apps with Language Models

SESSION-WISE DETAILS OF THE WORKSHOP

Session 1: Decoding Gen AI: Understanding Large Language Models for Smart Applications

- Understanding the concept and significance of Large Language Models
- Overview of popular LLMs: GPT-3, BERT, etc.
- Applications and use cases of LLMs in various industries
- Introduction to word embeddings and their role in natural language processing
- Understanding Word embeddings through recommendation project

Session 2: Building LLM-Powered GEN AI Applications

- Introduction to building applications powered by LLMs
- Overview of the development process
- Best practices and considerations for integrating LLMs into applications

Session 3: Introduction to Langchain and ChromaDB

- Overview of Langchain: A blockchain-based language model marketplace
- Introduction to ChromaDB: A distributed NoSQL database management system
- Understanding the synergy between Langchain and ChromaDB

Session 4: Hands-On Workshop: Building a PDF Query Application using LLM, Langchain, and ChromaDB

- Setup and environment configuration
- Designing the architecture of the PDF query application
- Integrating LLM for natural language processing
- Open Source LLM Models: Mistral AI, Huggingface
- Implementing Langchain for accessing LLM resources
- Storing and retrieving data using ChromaDB
- Testing and troubleshooting the application

Session 5: Advanced Topics and Q&A (60 mins)

- Advanced techniques for optimizing LLM-powered applications
- Scalability and performance considerations
- Real-world case studies and success stories
- Q&A session to address participants' queries and concerns