Lesson 5: Multi-Source Knowledge

Objective:

Learn how to integrate multiple data sources (e.g., APIs, databases, local knowledge) into AI applications to create a richer, more informed response system.

Key Concepts:

- **Multi-Source Knowledge:** Combining data from multiple sources to provide a comprehensive and diverse range of information.
- **Data Fusion:** Merging data from multiple sources to enhance the AI's knowledge base.
- **Cross-referencing:** Comparing data from different sources to increase accuracy.

Application:

1. **Building Systems with Multiple Data Sources:**

   o Integrate APIs for real-time data (e.g., weather, news) with a model that generates responses based on that data.

2. **Ensuring Data Consistency:**

   o Use data validation and cleaning techniques to ensure that data from various sources is consistent and reliable.