

Search

Engine

Recommender

System

Dialogue AI

System Assistant

Prompt Engineering

In-context Learning

Few-shot Learning

Explicit Knowledge

Domain-speciﬁc Knowledge Decisiveness Interpretability

**LLMs**

**KGs**

Huge General Knowledge

Language Processing Generalizability

Structural

Fact

Text

Corpus

Image

Video

Neural-symbolic Reasoning

Representation Learning

Graph Neural Network

Fig. 7. The general framework of the *Synergized LLMs + KGs*, which contains four layers: *1) Data*, *2) Synergized Model*, *3) Technique*, and *4) Application*.