

## **Large Language Models**

Large Language Models are advanced artificial intelligence models trained on vast amounts of textual data to understand and generate human-like text. They have significantly advanced the state of natural language understanding and generation, enabling applications such as language translation, text summarization, conversational agents, and content generation. Large language models utilize deep learning architectures such as transformers and bidirectional encoder representations from transformers (BERT) to capture long-range dependencies and context in text data. They have demonstrated remarkable performance in various natural language processing tasks, leading to breakthroughs in machine translation, question answering, and dialogue systems.