









key technologies—Language Models (LLMs), Generative Adversarial Networks (GANs), and Deep Learning (DL)—Stand at the forefront of innovation. Each of these technologies has its unique strengths and applications, contributing significantly to advancements in natural language processing, image generation, and more. What is Deep Learning (DL)? Deep Learning is a subset of machine learning that focuses on neural networks with many layers (often referred to as deep neural networks). These networks are designed to automatically learn representations from data, enabling tasks like image recognition,