



Math Factor/Math Department Seminar

Title: The False Promise of ChatGPT: Uncovering the Truth Behind Large Language Models

Speaker: Jishan Ahmed

Abstract: Large Language Models (LLMs), like OpenAI's ChatGPT, have revolutionized natural language processing (NLP) tasks by enabling deep learning models to generate and understand human-like text with contextual awareness. In this talk, I will explore the development and functionality of LLMs, focusing on key concepts such as pretraining, fine-tuning, word tokenization, and text embeddings. I will also address common myths surrounding LLMs and challenges such as hallucinations, using methods like Retrieval-Augmented Generation (RAG). The talk will provide a solid foundation for working with LLM architectures in practical applications.

Refreshments will be served.