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INDRISTRIAL ATTACHMENT

CSE-420(Dual)



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Seminar Topic: Prompt Engineering and Jailbreaking LLM Models

Name of the keynote speaker: Raihan Alam

Principal Software Engineer, Microsoft

Title: Prompt Engineering and Jailbreaking LLM Models

Introduction: In this modern age Prompt Engineering plays a significant role in the sector of AI specialty when working with generative AI like ChatGPT, Gemini etc. This seminar was organized to educate ourselves about Prompt engineering and Jailbreaking LLM.

About the keynote Speaker: There was one speaker present at the seminar. His name was Raihan Alam. He is a principal Software Engineer in Microsoft Australia. He is a Prompt Engineer expert. The seminar was held online using zoom online platform. The duration of the seminar was about one and a half hours long. Throughout the seminar he was active, and we enjoyed his charming presentation. He was a great speaker.

Seminar's purpose and Goal: The purpose of this seminar was to enlighten us about the Prompt engineering, its impact also understanding the classification and working mechanism of prompt engineering, in the seminar we also learn about the jailbreaking LLM models. The goal of this seminar was to give us a clear understanding about the impact and understanding of LLM models.

Summarization of the key point of the discussion: In the seminar the key speaker Raihan Alam who was also a senior principal software developer discussed about several topics such as:

- Introduction to prompt engineering
- Current trend and what is happening with LLM.
- How prompt engineering works
- What is prompt injection?
- How to increase the security of the prompt

- Impact of cheat bot in the ecommerce and business sector, parts
- Implement of prompt engineering Jailbreaking LLMs etc.

Discussion of the new information that I have gained in the seminar: The seminar was full of new information. Almost all the information that was given by the speaker was new to us. The list will be:

- How prompt engineering works
- The impact of prompt engineering in the modern era.
- How to do prompt ejection
- Jailbreaking LLM etc.

My analyzation of how the seminar topics bridges the gap between academic learning and industrial learning: In the classroom we have always been taught in an environment where the teacher only teaches us about the theoretical concepts of Computer Science and Engineering, also our academic curriculum does not include the study of latest technology related to Computer Science. Prompt engineering is one of them. In this modern era prompt engineering is one of the most important modern technologies and it has a potential to revolutionize our entire working process. So, seminars like this will help us to remain up to date about the Computer Science field and fill the gap between academic learning and industrial learning.

My thought on how academic programs could be improved to better prepare students for the industry: By arranging more seminar like this can help the student to bridge the gap between academic learning and industrial learning hence improving the academic program quality. Also, seminars like this will help us to get ready for the software industry. I also feel like our curriculum given by the UGC needs to be updated and modernize based on the current job trends.

Brief summarization of the seminar: This seminar was held on seventh, Oct 2024. The venue was UITS conference room. At exocometary 9.00 am the seminar started. There was one guest speaker present on that day. The seminar was held online. The name of the key speaker was Raihan Ahamed. Currently he is working as the senior principal programmer in the Microsoft Australia. The charming personality of the gest speaker keeps us engaged in the seminar. The topic of the seminar was prompt engineering and jailbreaking LLM. As we all know LLM model design and development, and Prompt engineering is a hot cake in the current Computer science world. In the seminar the speaker raihan sir enlighten us about what is prompt engineering how it works. It is importance and implications, the new job field that prompt engineering opens. In the seminar also learned about Jailbreaking LLM and its implications. At the end, the respected speaker also held a Q&A session where he answered some of our questions.

Provide concluding thoughts and the overall significance of the seminar: In my view the seminar was knowledgeable. The guest speaker was highly informative. Also, in the end he allows us to do a Q&A session where I asked about a thing which I did not know before. Overall, I enjoyed this session. Our department should hold more seminars like this.

The End