



GURU NANAK DEV ENGINEERING COLLEGE

An autonomous college u/s UGC Act- 1956 [2{f} and 12{B}]

Gill Park, Ludhiana, 141006



EXPERT TALK SESSION

EVENT NAME: BUILDING AND RUNNING LARGE LANGUAGE MODELS: A LIVE DEMO EXPERIENCE

SOCIETY NAME: CSI (Computer Society of India)

Type of Event: Expert Talk Session

Date: 21st January 2025

Timing: 01:30 PM to 3:00 PM

Venue: College Auditorium

BRIEF DETAILS OF EVENT:

On 21st January 2025, the Computer Society of India (CSI) organized an enlightening Expert Talk Session titled "Building and Running Large Language Models: A Live Demo Experience". The event, held in the College Auditorium from 01:30 PM to 3:00 PM, witnessed a remarkable turnout of 488 students, showcasing their keen interest in cutting-edge technologies.

Highlights of the Session

The session was delivered by **Dr. Sandeep Singh Sandha**, the Co-founder of ML0.AI, a prominent figure in the field of artificial intelligence. Dr. Sandha provided a thorough overview of the architecture, development, and implementation of large language models like ChatGPT, LLaMA, and Qwen. His engaging presentation was complemented by a live demonstration, allowing students to observe the practical workings of these models.

The talk explored topics such as:

- Core components and architecture of large language models.
- Training and fine-tuning techniques for specific applications.
- Use cases in fields like education, healthcare, and natural language processing (NLP).
- Ethical considerations and challenges in deploying AI systems.

Students found the session highly interactive, as they were encouraged to ask questions and participate in discussions. Dr. Sandha's expertise and ability to simplify complex concepts left a lasting impression on the audience.

Towards the conclusion, Dr. Parminder Singh, the Dean of Student Welfare, delivered the Vote of Thanks, appreciating Dr. Sandha for his valuable insights and commending the students for their active engagement. He highlighted the importance of such sessions in bridging the gap between theoretical knowledge and practical application.

The event provided a unique platform for students to gain a deeper understanding of large language models and their real-world applications. The live demo experience and the discussions fostered a sense of excitement and curiosity among the participants, igniting an interest in research and development in AI.

With an impressive turnout and active participation, the session was a resounding success, leaving students inspired and better equipped to engage with the challenges and opportunities presented by AI and machine learning advancements. The CSI plans to organize more such events in the future to nurture innovation and learning among students.

GLIMPSES:





