



DEPARTMENT OF CSE (DATA SCIENCE)

Event: “Leveraging AI and LLMs in Your Career Journey”

Venue: Room C222

Time-11:00 AM-01:00PM



GUEST TALK

From Graduate to Innovator: Leveraging AI and LLMs in Your Career Journey

 **5th November 2025**
 **11:00 AM - 01:00 PM**
 **C-222, Chhatrapati Shivaji Block**
 **3rd Semester Students**



Mr. Rahul Rao B
Software Engineer III
Refyne India

Faculty Coordinator
Prof. Swathi Vinesh
Asst. Professor - CSE (DS)

Convenor
Dr. B Swathi
HoD - CSE (DS)

Dr. R J Anandhi
Dean - Academics

Dr. Manjunatha
Principal

Organised by
Department of Computer Science and Engineering (Data Science)
In Association with
Computer Society of India Student Chapter

The Department of Computer Science and Engineering (Data Science), New Horizon College of Engineering, organized a Guest Talk titled **“From Graduator to Innovator: Leveraging AI and LLMs in your career journey ”** on **5th November 2025** for **3rd semester students**. The session was conducted by **Mr. Rahul Rao, Software Engineer III, Refyne India** with a background in developing fintech solutions for India’s workforce, Mr Rahul shared valuable insights about overcoming practical challenges in the tech industry and the critical role of time management for software engineers.





Session Overview

The guest talk session on “**Leveraging AI and LLMs in Career Journey**” provided a 360° view of the importance of Artificial Intelligence and its impact on the current IT industry. The session began with an introduction to AI, where the speaker explained its basic concepts and real-world applications. It also covered various AI tools and subfields such as Machine Learning, Deep Learning, and Natural Language Processing. The talk further introduced Large Language Models (LLMs) like ChatGPT, explaining how they work, their growing role in automating tasks, and their potential to transform various industries. The speaker highlighted both the advantages of AI—such as improved efficiency, innovation, and decision-making—and its limitations and ethical challenges.

Key Topics and Shared Ideas

AI Tools

Some of the popular AI tools discussed were **ChatGPT**, **Google Bard**, **TensorFlow**, **IBM Watson**, and **Microsoft Azure AI**. These tools are used for tasks such as text and image generation, data analysis, automation, and intelligent application development.

AI Subfields

The session explained various subfields of Artificial Intelligence, including:

- **Machine Learning (ML):** Enables systems to learn from past data and make predictions or decisions.
- **Deep Learning:** Uses neural networks to process complex data such as images, speech, and videos.
- **Natural Language Processing (NLP):** Helps machines understand, interpret, and respond to human language.
- **Computer Vision:** Focuses on enabling systems to identify and

process visual information.

- **Robotics:** Deals with the design of intelligent machines capable of performing real-world tasks.
- **Generative AI (Gen AI):** Creates new content such as text, images, music, or code by learning from existing data. Examples include ChatGPT and DALL·E.
- **Agentic AI:** Represents a newer form of AI that can make autonomous decisions, take actions on behalf of users, and coordinate multiple tasks with minimal human intervention.

Advantages of AI

- Enhances efficiency, accuracy, and productivity
- Automates repetitive or labor-intensive tasks
- Supports better and faster decision-making
- Encourages creativity through tools like Generative AI
- Opens up new career opportunities in data science, automation, and AI development

Limitations of AI

- High development and maintenance costs
- Dependence on large, high-quality datasets
- Possible loss of human jobs due to automation
- Lack of emotional intelligence and creativity in certain contexts
- Ethical, security, and privacy concerns related to data use

Conclusion

The session concluded with an interactive Q&A focused on practical solutions to day-to-day challenges in a software startup and the evolving expectations of engineers. This encouraged students to proactively manage their time, build resilience against setbacks, and cultivate continuous learning habits to succeed in a rapidly changing tech industry.



Faculty Coordinator

Assistant Prof.

Prof. Swathi Vinesh



Convener

HOD-CSE-DS

Dr. B Swathi