



**SILVER OAK
UNIVERSITY**
EDUCATION TO INNOVATION



IEEE

Silver Oak University
IEEE Student Branch



A REPORT ON
IEEE Day 2025: Campus to Career

Date: 14th October 2025

Venue: EA - 803, E-Block, 8th Floor, Silver Oak University

IEEE Day 2025 **Campus to Career**

SILVER OAK
UNIVERSITY

Introduction:

In a celebration of innovation, learning and professional growth, **Silver Oak University IEEE Student Branch** hosted a special session titled "**From Campus to Career**" as part of **IEEE Day 2025**. The event sought to bridge academic knowledge with real-world applications, encouraging students to embrace curiosity, discipline and consistency as foundations for a successful career. By connecting theoretical knowledge with professional insights, the session embodied IEEE's global mission of advancing technology for humanity while fostering innovation and excellence among young minds.

About the speaker:

The session was deliberately led by **Mr. Neel Mishra**, Data Scientist at Microsoft and an alumnus of Silver Oak University.

About the session:

Date: 14th October 2025

Time: 11:00 A.M. to 01:00 P.M.

Venue: EA - 803, E-Block, 8th Floor, Silver Oak University

Participants: 59

The centrepiece of this celebration was an enlightening session on Machine Learning by Mr. Neel Mishra. He began by linking technology with personal growth, illuminating the balance between innovation and self-development. Starting with foundational concepts, he introduced the four types of learning models - supervised, unsupervised, semi-supervised and reinforcement learning, illustrating each with practical definitions and real-world examples. To simplify complex ideas, he used the classic video game Pac-Man to demonstrate reinforcement learning, showing how systems optimise performance through trial and error.

Building on this, he referenced the Stanford Autonomous Helicopter project, where an AI learned advanced aerobatic manoeuvres via reinforcement learning through thousands of simulated trials rewarded for success. This demonstrated machine learning's potential to solve intricate real-world control challenges. The speaker then guided the discussion to modern AI fields, including Natural Language Processing powering chatbots and translations, Computer Vision supporting facial recognition and autonomous vehicles and Graph-based systems analysing complex networks.

Embodying the event's theme, the speaker candidly shared his journey from academic challenges to his role at Microsoft. Highlighting perseverance, he described his transformation from low high school scores to winning university competitions, showcasing resilience and self-belief. A turning point came with his first Python project, which transformed knowledge into confidence and direction. He urged students to seek opportunities, build strong networks and uphold discipline in both academics and life.

Q&A and Career Guidance: The session concluded with a focused interactive segment connecting campus learning to industry realities. Where the speaker addressed practical questions on the relevance of Data Structures and Algorithms and the importance of knowledge beyond textbooks. He advised students to develop strong foundations in Python, mathematics as well as SQL and to build portfolios through manageable projects, emphasizing continuous learning and practical application as keys to career progression. This interactive discussion reinforced continuous learning, practical application and meaningful project work as the true path to professional development.

Conclusion:

The session blended technical knowledge with motivational reflection, inspiring participants to view technology as a catalyst for growth and innovation. Mr Neel Mishra's personal journey from an uncertain student to Data Scientist at Microsoft, demonstrated resilience, self-belief and consistency. Participants were encouraged to build strong foundations in Python, mathematics and SQL while pursuing small projects to gain practical experience.

SDG Impact:

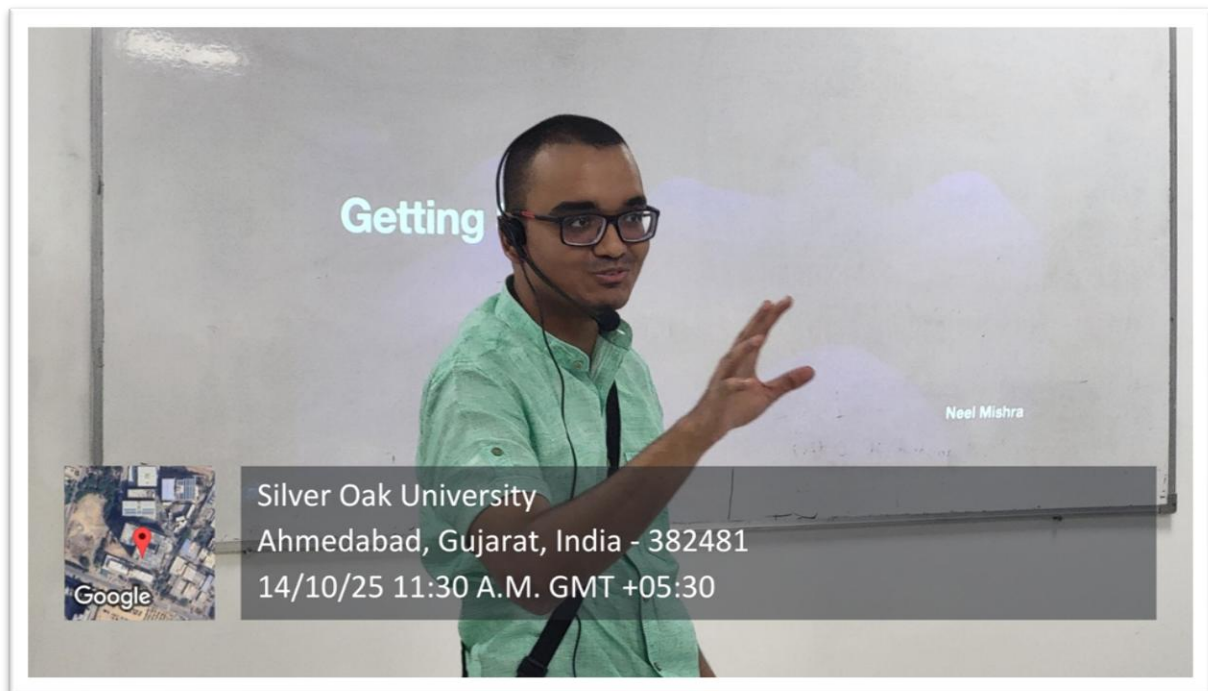
- **SDG 4 – Quality Education:** : Empowered students through knowledge-sharing and hands-on learning
- **SDG 8 – Decent Work and Economic Growth:** : Empowered students through knowledge-sharing and hands-on learning
- **SDG 9 – Industry, Innovation and Infrastructure:** : Empowered students through knowledge-sharing and hands-on learning
- **SDG 17 – Partnerships for the Goals:** : Empowered students through knowledge-sharing and hands-on learning

IEEE Goals and Vision Achieved: The event embodied IEEE's vision of "Advancing Technology for Humanity." It aligned with IEEE's core goals by:

- Promoting quality education through practical exposure to AI and ML concepts.
- Encouraging lifelong learning by connecting classroom theories with real-world applications.
- Fostering innovation and excellence through hands-on understanding and professional insights.
- Building academic–industry linkages by creating dialogue between alumni and students.
- Empowering the next generation to apply technology responsibly for societal advancement.

The success of this session was made possible by the guidance and support of Dr. Satvik Khara, Dean, College of Technology, Silver Oak University; IEEE Senior Member; Chairperson, Technical Activity, Computer Society, IEEE Gujarat Section; Founding Member, Silver Oak University IEEE Student Branch. His visionary leadership and unwavering support played a pivotal role in the success of the event, fostering an environment of learning and innovation.

Some glimpses of the session:



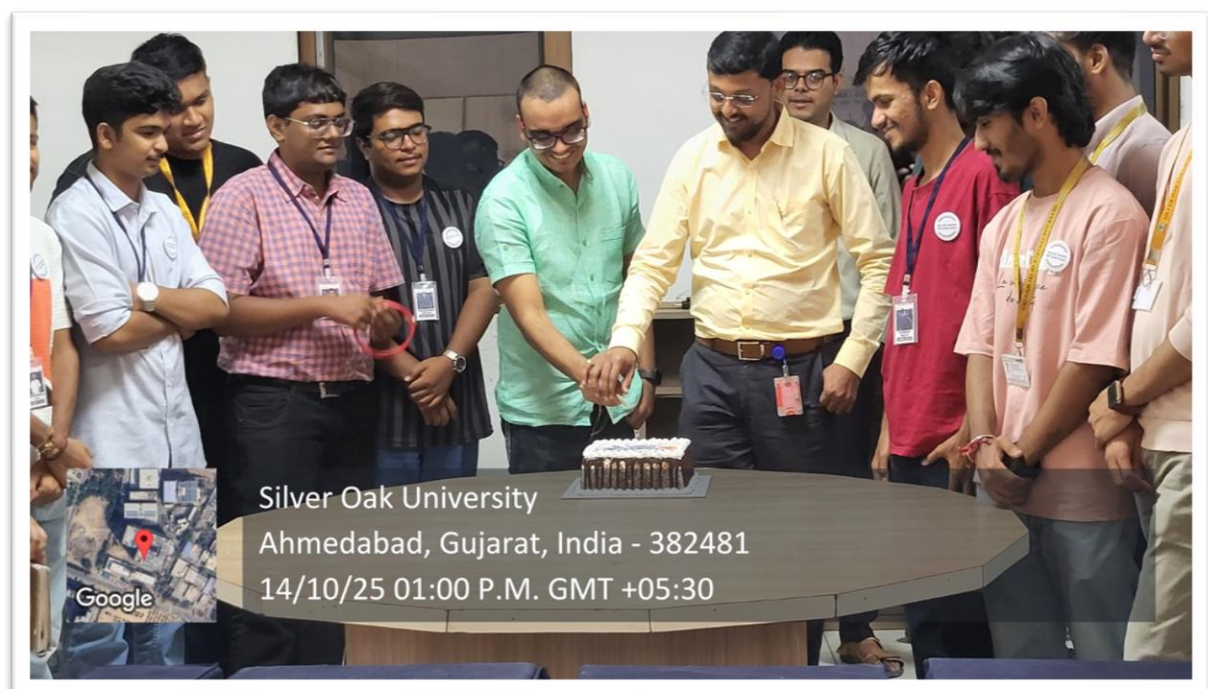
Mr. Neel Mishra sparks Machine Learning with a fusion of tech and self-growth



Participants engaging in an Insightful discussion with expert



Dr. Satvik Khara presenting a memento to Mr. Neel Mishra



Marking IEEE Day celebration with a joyful cake-cutting moment