

12-day Residential Certificate Programme

SUMMER SCHOOL

for UG, PG students and young professionals (from STEM Disciplines)

The Tech Trek 3.0 Summer Immersion 2026 is an intensive, 12-day experiential program specifically engineered for STEM Undergraduates, Postgraduate Students, and Early-Career Professionals. Moving beyond surface-level interactions with artificial intelligence, this program is designed to transition participants from being mere consumers of AI tools to becoming capable architects and builders of next-generation Generative AI systems.

Over the course of the immersion, participants will engage deeply with the underlying mathematical concepts, neural network architectures, and advanced engineering practices that power today's most sophisticated generative models. By bridging the gap between academic theory and industry application, the curriculum equips learners with the practical skills necessary to design, fine-tune, and deploy custom large language models (LLMs) and autonomous agentic systems.

FOCUS AREAS



Systems Architecture

Demystifying AI and workflow thinking to map enterprise workflows and identify viable bottlenecks for AI integration.



Foundational Models

Deep understanding of pre-Transformer generative models, including VAEs (Variational Autoencoders), GANs, and Diffusion Models.



Applied Engineering

Deconstructing the core Transformer architecture and mastering API-driven LLM application development.



Customisation & Retrieval

Adapting existing models to specific domains using fine-tuning (PEFT, LoRA, QLoRA) and retrieval augmentation (Vector Databases, Embeddings).



Autonomous Systems

Moving from static models to autonomous agents capable of tool use, with frameworks like LangChain, CrewAI, and AutoGen

Programme Dates

6th July – 17th July 2026

Duration

12-Day Programme

Format

Theory Foundations + Hands-on Labs
+ Industry Interactions + Hackathon

Programme Fee

INR 37,550/- + taxes

For UG, PG & Young Professionals

Location

Jio Institute, Sector 4, Ulwe, Navi
Mumbai Maharashtra, India

For enquiries, please reach us at:

Contact (Call & WhatsApp):

9324293874 / 9137387077

Email :

summer.school@jioinstitute.edu.in

Upon successful completion of the programme, students will receive a certificate.

PROGRAMME FACILITATORS**Dr. Shailesh Kumar**

Dean, Jio Institute
Chief Data Scientist,
Jio Platforms

**Dr. Sudipta Roy**

Associate Professor,
Artificial Intelligence &
Data Science, Jio
Institute, India

**Prof Manaranjan Pradhan**

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**Dr. Mohna Chakraborty**

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Senior Fellow at the
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**Dr. Larry Birnbaum**

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Science, Northwestern
University, USA

**Dr. Partha Krishnamurthy**

Larry J. Sachnowitz
Professor of Marketing,
Director of the Institute for
Health Care Marketing,
University of Houston, USA

**Mr. Poornapragna MS.**

AI Leader –
Generative AI , Jio
Platforms Ltd.

WHAT PARTICIPANTS WALK AWAY WITH

- A portfolio-ready Gen AI project deployed and demoed before an industry panel.
- A certificate of completion from Tech Trek 3.0 – 2026.
- Two industry-visit exposures to AI infrastructure and agentic startup ecosystems.
- A network of peers, mentors, and industry practitioners across the Gen AI ecosystem.
- Mastery across all five pillars – from foundational models to deployable autonomous agents

BUILD. CODE. PITCH

Experience the journey of Gen AI innovation – from your first model to a live hackathon with prize worth

Rs. 50,000/-**SEE AI IN ACTION**

See AI in action with series of curated guest lectures, masterclasses, workshops and industry visits.

 Scan to
Apply