



# CERTIFICATE OF PARTICIPATION

This is to certify that

**Neha Shah**

attended the 10-day Sixth Annual Nepal AI School (ANALIS 2025), organised by Nepal Applied Mathematics and Informatics Institute for Research (NAAMII) at Swostishree Gurukul, Kathmandu, Nepal, from 29 December 2025 to 8 January 2026, and participated in the Ideathon by pitching a group project titled *Explain-Adapt Agent: Building Trustworthy AI Through Transparency*.

The 10-day (46 hrs lectures + 12 hrs lab sessions + 4 hrs Ideathon sessions + 2 hrs Poster Session and 2 hrs Networking Session) AI School covered the following topics:

- **Day 1:** Introduction to Geometric Deep Learning (GDL), Machine Learning (ML) in high dimensions, Geometric Priors, Sets, Graphs, Lab Session on message-passing Graph Neural Network (GNN)
- **Day 2:** Graphs, Transformers, Grids, Spectral Methods, Neural Diffusion & Physics-Inspired Methods, Geometric Generative Models, Learning in Weight Spaces, Lab Session on Transformers and Geometric Generative Models
- **Day 3:** AI & Agent-Based Modelling, AI Ethics & Society, Responsible AI, Ideathon Introductory Session
- **Day 4:** LLM Foundations, Relational Deep Learning, Privacy Preserving AI, Lab Session on AI Agents and nanoGPT
- **Day 5:** Reinforcement Learning (RL), RL for Real-World Autonomous Systems, AI In Agriculture, Lab Session on Computer Vision: Orthomosaicing and Segmentation
- **Day 6:** Geometry of Trustworthy Graph ML, Graph Transformers, Graph Neural Networks and LLMs, Poster Presentation Session
- **Day 7:** AI for Medical Applications, AI in Healthcare: Challenges and Solutions, Lab Session on Medical LLM Fine-Tuning
- **Day 8:** AI for Processing & Understanding Legal Texts, Imitation Learning & Learning Safety From Unsafe Examples, Cybersecurity & Trust in AI Systems, Lab Session on Designing & Training Tiny AI Chatbot
- **Day 9:** Implementing Contextual AI Solutions in Global South Healthcare, Hallucination Detection in LLMs, Ideathon Session
- **Day 10:** Visual Localisation, From "Not This" to "No Trace": Reliable Control in Generative AI, Ideathon Final Pitch, Networking and Closing Session

## OUR SPEAKERS

- Prof. Anubha Gupta (IIT Delhi, India)
- Prof. Balaraman Ravindran (IIT Madras, India)
- Prof. Frank Dignum (Umeå University, Sweden)
- Prof. Khondaker Abdullah-Al-Mamun (United International University, Bangladesh)
- Prof. Mayank Vatsa (IIT Jodhpur, India)
- Prof. Michael Bronstein (University of Oxford, UK / AITHYRA Austria)
- Prof. Virginia Dignum (Umeå University, Sweden)
- Prof. Xavier Bresson (National University of Singapore, Singapore)

- Assoc. Prof. Alexey Zaytsev (Applied AI Institute, Russia)
- Assoc. Prof. Ashutosh Modi (IIT Kanpur, India)
- Assoc. Prof. Ismail Ceylan (TU Wien Austria / AITHYRA Austria)
- Assoc. Prof. Sandeep Kumar (IIT Delhi, India)
- Asst. Prof. François Rameau (SUNY Korea, South Korea / NAAMII, Nepal)
- Asst. Prof. Manoj Shakya (Kathmandu University, Nepal)
- Asst. Prof. Raunak Bhattacharya (IIT Delhi, India)

- Adj. Asst. Prof. Bipendra Basnyat (University of Maryland, Baltimore / NAAMII, Nepal)
- Dr. Martin Balaba (Academy for Health Innovations, Uganda)
- Dr. Vijay Prakash Dwivedi (Stanford University, USA)
- Dr. Viktor Schlegel (Imperial College London, UK)
- Mr. Martin Karungi (KaCyber Technologies)
- Ms. Alisia Lupidi (University of Oxford, UK)
- Ms. Teodora Reu (University of Oxford, UK)

Yours Sincerely,



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Program Co-Chair