

EDUCATION

Carnegie Mellon University <i>Masters of Science in Machine Learning</i> Courses(PhD): Deep Reinforcement Learning , Multimodal Machine Learning, Probabilistic Graphical Models, Intermediate Statistics	<i>Dec 2025</i>
Birla Institute of Technology And Science (BITS), Pilani <i>Bachelors of Engineering, Computer Science and Masters of Science, Economics</i>	<i>Jul 2022</i>

WORK EXPERIENCE

Nutanix AI Machine Learning Intern	San Jose, CA May 2025 – Aug 2025
<ul style="list-style-type: none">Built a generalist unit test generation agent using an adversarially guided actor-critic system with evolutionary search deployed in a Model Context Protocol (MCP) client-server framework. [ICLR’25 Subm.]Achieved +15.6% higher coverage vs. baseline LLMs; also prototyped a deep research agent with bandit-based RAG for dynamic query routing across knowledge sources.	
Google DeepMind Pre Doctoral Researcher: Full-time 2 years	Bangalore, India Aug 2022 – Jun 2024
<ul style="list-style-type: none">Developed time-series reinforcement learning methods for adaptive intervention in the world’s largest maternal health program (3.2M active users) that sends automated health calls to underserved pregnant women.Proposed non-Markovian Time-Series Restless Bandits to improve multi-intervention sequencing, boosting content exposure by 57% and reducing dropout by 33%. [AAAI’24, AI Magazine’25]	
Harvard University Research Assistant: Full-time 1 year	Boston, MA Aug 2021 – Jul 2022
<ul style="list-style-type: none">Investigated interplay between catastrophic forgetting (CF) and OOD generalization using 3D modeling and examined adaptability of continual learning algorithms to continuous domains. [Thesis]Demonstrated performance saturation of models with increasing tasks, highlighting limits of adaptability.	
Microsoft Software Development Intern	Hyderabad, India May 2021 – Jul 2021
<ul style="list-style-type: none">Built an end-to-end service providing ML-based user insights to reporting services of the Playwright tool.	

SELECTED PUBLICATIONS AND THESIS

* All works cited are first-author. Full author lists are available on Google Scholar.	
Improving Health Information Access in the World’s Largest Maternal Mobile Health Program via Bandit Algorithms. Oral Presentation @ AAAI 2024, AI Magazine 2025.	[AAAI’24, AI Magazine’25]
Analyzing and Predicting Low-Listenership Trends in a Large-Scale Mobile Health Program: A Preliminary Investigation. Oral Presentation @ Data Science for Social Good Workshop, KDD 2023.	[KDD-WS’23]
Continual Learning and OOD Generalization in Continuous Domain Adaptation.	[Thesis]
Inference-Time Adversarial Actor–Critic with Evolutionary Search for Generalist Unit Test Agents. Under Submission @ ICLR 2025.	[ICLR’25 Subm.]

SELECTED PROJECTS

Incentive Mechanisms for LLM-Assisted Textual Data Integrity:	Designing mechanisms to counter LLM-assisted responses in feedback platforms, such as peer reviews. <i>(Present)</i>
Multimodal Reasoning in Text and Videos:	Developed a planner–perceiver system for interpretable step-by-step video and text reasoning. <i>(Jan - May 2025)</i>

KEY ACCOMPLISHMENTS AND EXPERIENCES

Cleared Regional Mathematics Olympiad (RMO); Qualified for Indian National Mathematics Olympiad.	[2015]
Teaching Assistant: CMU - Deep RL, LLM Methods; BITS Pilani - OOP, Database Systems, Econometrics	

SKILLS

Programming Languages	Python, C++, Java, R, Stata
Frameworks/Libraries	PyTorch, TensorFlow, Hugging Face, scikit-learn, NumPy, Pandas, React
AI/ML Areas	Reinforcement Learning, Multimodal ML, LLMs, Generative AI, Diffusion Models