

Swarnim Maheshwari

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WORK EXPERIENCE

- Research Associate at IIT Hyderabad** Jan 2024 - Present
– Conducting research under the supervision of Prof. Vineeth N. Balasubramanian on state-of-the-art deep learning and computer vision topics, which led to conference submissions.
- AI Research and Development Intern at VYZA Solutions** Oct 2023 - Dec 2023
– Employed NLP techniques for market analysis.
- NPTEL teaching assistant for Deep learning for Computer Vision** Aug 2024 - Nov 2024

RESEARCH

- *Not All That's Colorful Is Real: Rethinking Metrics for Image Colorization*
Swarnim Maheshwari, Syed Imam Ali, Arkaprava Majumdar, Panshul Jindal, Vineeth N. Balasubramanian
NeurIPS GenProcCC Workshop 2025
- *Memory-Integrated Reconfigurable Adapters: A Unified Framework for Settings with Multiple Tasks*
Susmit Agrawal, Krishn Vishwas Kher, Saksham Mittal, **Swarnim Maheshwari**, Vineeth N. Balasubramanian
NeurIPS 2025
- *Pose-to-Pose: A New Task and Benchmark for Human Pose Transition in Yoga*
Bhattacharyulu Dittakavi, **Swarnim Maheshwari**, Vineeth N. Balasubramanian
CVPR CVsports Workshop 2025
- *PoseGuru: Generative Landmarks for Targeted Pose Correction using Exemplar-Guided Algorithmic Recourse*
Bhattacharyulu Dittakavi, Bharathi Callepalli, **Swarnim Maheshwari**, Vineeth N. Balasubramanian
CVPR XAI4CV Workshop 2025

EDUCATION

Jan 2025 - Dec 2027	M.tech in Computer Science engineering at IIT Hyderabad	(10 CGPA)
2020 - 2024	B.tech in Computer Science engineering at Sangam University	(9.04 CGPA)
2019	Class 12th RBSE	(85.4 %)
2017	Class 10th CBSE	(10 CGPA)

ACHIEVEMENTS

- **Amazon ML challenge 2025 leaderboard rank 24**
- **Winner, Smart India Hackathon 2022** (AICTE)
- **JAX Diffusers Sprint** (HuggingFace & JAX Google)
- **NPTEL Super Star**(Topper in 4 NPTEL courses)
 - **Topper, Introduction to Artificial Intelligence** (IIT-D, NPTEL)
 - **Topper, Introduction to Machine Learning** (IIT-KGP, NPTEL)
 - **Topper, Python for Data Science** (IIT-M, NPTEL)
 - **Topper, Deep Learning for Computer Vision** (IIT-H, NPTEL)