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*
  Bhattaracharyulu Dittakavi, **Swarnim Maheshwari**, Vineeth N. Balasubramanian
  CVPR CVsports Workshop 2025

- *PoseGuru: Generative Landmarks for Targeted Pose Correction using Exemplar-Guided Algorithmic Recourse*
  Bhattaracharyulu 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 19**
- **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)