

Swarnim Maheshwari

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Available December 2026–July 2028 for long-term research internships/ research assistant
| First author, ECCV 2026 | IIT Hyderabad 9.86/10 CGPA | Mitsubishi Electric Japan
Research Intern

WORK EXPERIENCE

Research Internship at Mitsubishi Electric, Japan May 2026 - July 2026

– Developed and evaluated a Vision-Language-Action model pipeline for industrial object assembly

Research Associate at IIT Hyderabad under Dr. Vineeth Balasubramanian Jan 2024 - Present

IIT Madras BS teaching assistant for Deep learning for Computer Vision Aug 2025 - present

NPTEL teaching assistant for Deep learning for Computer Vision Aug 2024 - Nov 2024

RESEARCH

- *Beyond Fixed Luminance: Towards Panchromatic and Orthochromatic Image Colorization*
Swarnim Maheshwari, Syed Imam Ali, Vineeth N. Balasubramanian
ECCV 2026
- *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	(9.86 CGPA)
2020 - 2024	B.tech in Computer Science engineering at Sangam University	(9.04 CGPA)

ACHIEVEMENTS

- **KLA AI HACK x IIT H 2026** leaderboard rank 3
- Won Award at **Mitsubishi Electric Hackathon**
- Awardee of the **Reliance Foundation Fellowship**
- **Academic Excellence Award** at IIT-H for highest GPA among my cohort
- **Amazon ML challenge 2025** leaderboard rank 19
- Winner, **Smart India Hackathon 2022** (AICTE)
- **NPTEL Super Star** (Topper in 4 ML related NPTEL courses)