Aniruddha Mahapatra

Curriculum Vitae

✉ *anmahapa@adobe.com*
🌐 *https://anime26398.github.io/*
in *https://www.linkedin.com/in/aniruddha98/*

▬▬▬ Education

2022–2023 **Carnegie Mellon University**
Master of Science in Computer Vision (*Robotics Institute*)
CGPA: 4.00/4.00

2022–2023 **Indian Institute of Technology, Roorkee**
Bachelor of Technology in Computer Science and Engineering
CGPA: 9.41/10.00, Department Rank: 2

▬▬▬ Experience

2024-Present **Adobe Research**
Research Engineer at Creative Intelligence Lab

2022–2023 **Generative Intelligence Lab, CMU**
Research Assistant under Professor Jun-Yan Zhu

2023 **Snap Research**
Research Intern at Creative Vision Group

2020-2022 **Adobe Research**
Research Associate at Adobe Research India

2019 **Adobe Research**
Research Intern at Adobe Research India

▬▬▬ Selected Publications

See the full list on Google Scholar Page.

[1] Aniruddha Mahapatra*, Richa Mishra*, Renda Li, Ziyi Chen, Boyang Ding, Shoulei Wang, Jun-Yan Zhu, Peng Chang, Mei Han, and Jing Xiao. Co-speech gesture video generation with 3d human meshes. In *European Conference on Computer Vision (**ECCV**)*, 2024.

[2] Songwei Ge, Aniruddha Mahapatra, Gaurav Parmar, Jun-Yan Zhu, and Jia-Bin Huang. On the Content Bias in Fréchet Video Distance. In *The IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**)*, 2024.

[3] Aniruddha Mahapatra, Aliaksandr Siarohin, Hsin-Ying Lee, Sergey Tulyakov, and Jun-Yan Zhu. Text-Guided Synthesis of Eulerian Cinemagraphs. In *ACM Transactions on Graphics (**SIGGRAPH Asia**)*, 2023.

[4] Rishi Agarwal*, Tirupati Saketh Chandra*, Vaidehi Patil*, Aniruddha Mahapatra*, Kuldeep Kulkarni, and Vishwa Vinay. GEMS: Scene Expansion using Generative Models of Graphs. In *IEEE/CVF Winter Conference on Applications of Computer Vision (**WACV**)*, 2023.

[5] Aniruddha Mahapatra and Kuldeep Kulkarni. Controllable Animation of Fluid Elements in Still Images. In *The IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**)*, 2022.

[6] Aniruddha Mahapatra, Snarmila Nangi, Aparna Garimella, and Anandhavelu Natarajan. Entity Extraction in Low Resource Domains with Selective Pre-training of Large Language Models. In *Conference on Empirical Methods in Natural Language Processing (**EMNLP**)*, 2022.

[7] Bholeshwar Khurana, Soumya Ranjan Dash, Abhishek Bhatia, Aniruddha Mahapatra, Hrituraj Singh, and Kuldeep Kulkarni. SemIE: Semantically-aware Image Extrapolation. In *The International Conference on Computer Vision (**ICCV**)*, 2021.

Selected Preprints

[1] Aniruddha Mahapatra, Long Mai, Yitian Zhang, David Bourgin, Feng Liu. Progressive Growing of Video Tokenizers for Highly Compressed Latent Spaces. In *arXiv*, 2025.

[2] Jinbo Xing, Long Mai, Cusuh Ham, Jiahui Huang, Aniruddha Mahapatra, Chi-Wing Fu, Tien-Tsin Wong, Feng Liu. MotionCanvas: Cinematic Shot Design with Controllable Image-to-Video Generation. In *arXiv*, 2025.

Patents

[1] Bholeshwar Khurana, Soumya Ranjan Dash, Abhishek Bhatia, Aniruddha Mahapatra, Hrituraj Singh, and Kuldeep Kulkarni. Semantically-aware image extrapolation. *US Patent 12,020,403.*

[2] Rishi Agarwal, Tirupati Saketh Chandra, Vaidehi Patil, Aniruddha Mahapatra, Kuldeep Kulkarni, and Vishwa Vinay. Generating enriched scenes using scene graphs. *US Patent App. 17/962,962.*

[3] Aniruddha Mahapatra, and Kuldeep Kulkarni. Machine learning based controllable animation of still images. *US Patent App. 17/856,362.*

[4] Subrata Mitra, Aniruddha Mahapatra, Manoj Kilaru, Abhishek Yadav, Abhijith Kuruba, and Kuldeep Kulkarni. System and methods for video analysis. *US Patent App. 17/651,076.*

[5] Aniruddha Mahapatra, Snarmila Nangi, Aparna Garimella, and Anandhavelu Natarajan. Pre-training techniques for entity extraction in low resource domains. *US Patent App. 17/525,311.*

Academic Service

Reviewer	CVPR 2025, ECCV 2024 **(Outstanding)**, SIGGRAPH 2024, SIGGRAPH Asia 2024, CVPR 2024, ICCV 2023

Computer Skills

Programming Languages	*Advanced:* Python; *Intermediate:* C++

Developer Tools	*Advanced:* VS Code, Cursor, Linux, Git; *Intermediate:* Docker
Frameworks	*Advanced:* PyTorch, PyTorch Lightning