

AVIJIT DASGUPTA

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| EDUCATION | International Institute of Information Technology <i>M.S., Ph.D. in Computer Science and Engineering</i> | Hyderabad, India 2017 - 2026 (expected) |
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| | <ul style="list-style-type: none">• Advisor: Prof. C. V. Jawahar, Dr. Karteek Alahari• Funded by: Google India Ph.D. Fellowship• Research area: Egocentric Vision, Assistive Technologies, Model Generalization | |
| PUBLICATIONS | West Bengal University of Technology <i>B.Tech. in Electronics and Communication Engineering</i> | Kolkata, India 2009 - 2013 |
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| | <ol style="list-style-type: none">1. Avijit Dasgupta, C. V. Jawahar, Karteek Alahari. Watching Others, Coaching You: Third-Person-to-Egocentric Feedback, <i>in preparation</i>.2. Sai Nithin, Avijit Dasgupta, Shankar Gangisetty, C. V. Jawahar. DriveSafe: A Joint Framework for Risk Prediction and Safety Suggestion in Driving Scenario, <i>under submission</i>.3. Avijit Dasgupta, Yale Song, C. V. Jawahar, Karteek Alahari. Evaluating Egocentric Video Domain Generalization in the Era of VLMs, <i>under submission</i>.4. Ajoy Mondal, Saumya Mundra, Avijit Dasgupta, C. V. Jawahar. UniTabBank: A Large Scale Multi-Lingual, Multi-Layout, Multi-Type, Multi-Format Dataset for Table Detection, WACV, 2026.5. Sai Nithin*, Avijit Dasgupta*, Shankar Gangisetty, C. V. Jawahar. Distilling <i>What</i> and <i>Why</i>: Enhancing Driver Intention Prediction with MLLMs, WACV, 2026.6. Ritabrata Chakraborty, Rajatsubhra Chakraborty, Avijit Dasgupta, Sandeep Chaurasia. Do We Need Large VLMs for Spotting Soccer Actions?, <i>IJCNLP-AACL (SRW)</i>, 2025.7. Avijit Dasgupta, C. V. Jawahar, Karteek Alahari. Source-free Video Domain Adaptation by Learning from Noisy Labels, <i>Pattern Recognition</i>, 2025.8. Kristen Grauman, Andrew Westbury, Lorenzo Torresani, Kris Kitani, Jitendra Malik, ..., Avijit Dasgupta* Ego-Exo4D: Understanding Skilled Human Activity from First- and Third-Person Perspectives, <i>CVPR</i>, 2024. (Oral)9. Avijit Dasgupta, C. V. Jawahar, Karteek Alahari. Overcoming Label Noise for Source-free Unsupervised Video Domain Adaptation, <i>ICVGIP</i>, 2022. (Best paper runner-up)10. Avijit Dasgupta, C. V. Jawahar, Karteek Alahari. Context Aware Group Activity Recognition, <i>ICPR</i>, 2020.11. Avijit Dasgupta, Sonam Singh. A Fully Convolutional Neural Network Based Structured Prediction Approach Towards Retinal Vessel Segmentation, <i>ISBI</i>, 2017.12. Avijit Dasgupta, Sudipta Mukhopadhyay, Shrikant A Mehre, Parthasarathi Bhattacharyya. Morphological Geodesic Active Contour Based Automatic Aorta Segmentation in Thoracic CT Images, <i>CVIP</i>, 2016.13. Manashi Chakraborty, Sudipta Mukhopadhyay, Avijit Dasgupta, Santanu Patsa, Nishat Anjum, Jay Gopal Ray. A new approach of oral cancer detection using bilateral texture features in digital infrared thermal images, <i>EMBC</i>, 2016.14. Manashi Chakraborty, Sudipta Mukhopadhyay, Avijit Dasgupta, Swapna Banerjee, Santanu Patsa, Jay G Ray, K Chaudhuri. A new paradigm of oral cancer detection using digital infrared thermal imaging, <i>SPIE Medical Imaging</i>, 2016.15. Avijit Dasgupta, Ashish Bakshi, Kuntal Ghosh. Lateral inhibition based holistic approach to adaptive image enhancement, <i>IACC</i>, 2013. | |

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| EXPERIENCES | Research PhD Intern Adobe, India Bengaluru, India • Working on slide stylization using VLM and LLMs | 2025.06 - ongoing |
| | Visiting Researcher Thoth, Inria Grenoble, France • Worked on reinforcement learning for DOOM game | 2019.02 - 2019.05 |
| | Research Intern CVIT, IIIT Hyderabad, India • Worked on deep neural network visualization | 2016.10 - 2016.12 |
| | Junior Research Fellow IPCV, IIT Kharagpur, India • Worked on various projects related to medical imaging | 2014.07 - 2016.10 |
| | Research Intern ISI Kolkata, India • Developed biologically inspired image filters | 2012.07 - 2013.07 |
| AWARDS AND HONORS | <ul style="list-style-type: none"> • Best-Paper Runner Up, ICVGIP • IFCPAR/CEFIPRA Travel Grant, To visit Thoth lab, Grenoble, France • Google India Ph.D. Fellowship, 1 out of 4 recipients • ICMR Travel Grant, To attend ISBI • Junior Research Fellowship, Awarded by MHRD, India | 2022.12 2019.02 2017.07 2017.04 2014.07 |
| SKILLS | Languages: English, Hindi, Bengali. Programming: Python, PyTorch, Tensorflow, PytorchVideo. | |
| ACADEMIC SERVICES | Reviewers for: CVPR, ECCV, ICCV, WACV, ICDAR, ICVGIP, TMI, JBHI, CIBM | |
| MEDIA COVERAGE | Meta Open Source: https://www.youtube.com/watch?v=TTVoW289UoU | |