

AVIJIT DASGUPTA

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EDUCATION	International Institute of Information Technology <i>M.S., Ph.D. in Computer Science and Engineering</i> • Advisor: Prof. C. V. Jawahar, Dr. Karteek Alahari • Funded by: Google India Ph.D. Fellowship • Research area: Egocentric Vision, Model Generalization	Hyderabad, India 2017 - 2026 (<i>expected</i>)
	West Bengal University of Technology <i>B.Tech. in Electronics and Communication Engineering</i> • GPA: 8.37/10.00	Kolkata, India 2009 - 2013
PUBLICATIONS	<ol style="list-style-type: none">1. Avijit Dasgupta, Megha K.M., Ajoy Mondal, C. V. Jawahar. EgoReading: A Multi-Modal Dataset for Personalized Reading with Wearable Glasses, <i>under submission</i>.2. Avijit Dasgupta, Yale Song, C. V. Jawahar, Karteek Alahari. Evaluating Egocentric Video Domain Generalization in the Era of VLMs, <i>under submission</i>.3. Avijit Dasgupta, C. V. Jawahar, Karteek Alahari. Source-free Video Domain Adaptation by Learning from Noisy Labels, <i>Pattern Recognition</i>, 2025.4. 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>, 2024.5. 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)6. Avijit Dasgupta, C. V. Jawahar, Karteek Alahari. Context Aware Group Activity Recognition, <i>ICPR</i>, 2020.7. Avijit Dasgupta, Sonam Singh. A Fully Convolutional Neural Network Based Structured Prediction Approach Towards Retinal Vessel Segmentation, <i>ISBI</i>, 2017.8. Avijit Dasgupta, Sudipta Mukhopadhyay, Shrikant A Mehre, Parthasarathi Bhattacharyya. Morphological Geodesic Active Contour Based Automatic Aorta Segmentation in Thoracic CT Images, <i>CVIP</i>, 2016.9. 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>, 2016.10. 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>, 2016.11. Avijit Dasgupta, Ashish Bakshi, Kuntal Ghosh. Lateral inhibition based holistic approach to adaptive image enhancement, <i>IACC</i>, 2013.	
EXPERIENCES	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	• Best-Paper Runner Up, ICVGIP	2022.12
	• IFCPAR/CEFIPRA Travel Grant , To visit Thoth lab, Grenoble, France	2019.02
	• Google India Ph.D. Fellowship , 1 out of 4 recipients	2017.07
	• ICMR Travel Grant , To attend ISBI	2017.04
	• Junior Research Fellowship , Awarded by MHRD, India	2014.07

SKILLS **Languages:** English, Hindi, Bengali.
Programming: Python, PyTorch, Tensorflow, PytorchVideo.

ACADEMIC SERVICES **Reviewers for:** *CVPR, ECCV, ICCV, ICDAR, ICVGIP, TMI, JBHI, CIBM*