

Résumé: Aditya Rajiv Deshpande

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Education	PhD in Computer Science (Aug 2014 - Present) University of Illinois at Urbana-Champaign, USA Advisor: <i>Prof. David Forsyth</i>
	B. Tech. with MS by Research in Computer Science (Aug 2008 - July 2014) International Institute of Information Technology, Hyderabad (IIIT-H), India Advisor: <i>Prof. P J Narayanan</i>
Selected Publications	Learning Diverse Image Colorization in Proceedings of <i>Computer Vision and Pattern Recognition, CVPR</i> , Jul 2017, Honolulu, Hawaii.
	Learning Large-Scale Automatic Image Colorization in Proceedings of <i>International Conference on Computer Vision, ICCV</i> , Dec 2015, Santiago, Chile.
	Fast Burrows Wheeler Compression Using All-Cores in Proceedings of <i>Workshop on Accelerators and Hybrid Exascale Systems</i> , May 2015, Hyderabad, India.
	Revisiting Incremental Structure from Motion in Proceedings of <i>International Conference on 3D Vision, 3DV</i> , Dec 2014, Tokyo, Japan.
	Can GPUs Sort Strings Efficiently? in Proceedings of <i>International Conference on High Performance Computing</i> , Dec 2013, Bangalore, India. (Best GPU Paper)
	Hybrid Implementation of Error Diffusion Dithering in Proceedings of <i>International Conference on High Performance Computing</i> , Dec 2011, Bangalore, India.
Experience	Research Assistant , UIUC, IIIT-H Spring'15-Present, Fall'10-Spring'14 <ul style="list-style-type: none">• At IIIT Hyderabad, advised by Prof. P J Narayanan on GPU computing and SfM.• At UIUC, with Prof. David Forsyth on Deep Learning for diverse predictions.
	Software Intern , Apple Inc, California, USA Summer'15,'16 <ul style="list-style-type: none">• Computer Vision research as part of Special Projects Group.
	Teaching Assistant , IIIT H, University of Illinois Spring'12, Fall'12,14,17 <ul style="list-style-type: none">• CS225 (Data Structures) and CS445 (Computational Photography) at UIUC.• Responsibilities included teaching lab/tutorial, conducting office hours and grading.
	Software Engineering Intern , Google, Bangalore, India Summer'11 <ul style="list-style-type: none">• Contributed code to production, wrote unit, integration & webdriver tests.
	Software Developer , Google Summer of Code Summer'12 <ul style="list-style-type: none">• Faster j2k decoding/encoding using CUDA enabled-GPUs
Awards & Service	Best GPU Paper award at IEEE Intl. Conf. on High Performance Computing.
	Dean's Merit List, Research Award of IIIT-H. (Fall'08, Spring'11,12)
	Reviewer for JPDC, IEEE TPAMI, IEEE TIP, CVPR, ICCV . (2014)
	Awarded the National Talent Search Scholarship (by NCERT). (2006)
	Secured merit position in state/national level exams: Maharashtra Talent Search, Junior Maths Olympiad, Abacus, National Standard Exam in Physics, National Science Day Quiz .
Major Projects	Colorization: Developing methods for ambiguous vision problems (ICCV'15, CVPR'17).
	Structure from Motion: Fast algorithm (3DV'14), 3D Photo-Viewer (ICVGIP'12).
	GPU Computing: Data Compression (IPDPS ASHES'15), String Sorting (HiPC'13 Best GPU Paper) & Error-Diffusion Dithering (HiPC'11).
	Misc. Course Projects: Poisson editing, Image-based rendering, Motion analogy, RGB-D segmentation, News video summarization, Distributed 3D rendering.
	Software dev.: IIIT eatery portal (1500 active users till date), system administration of GPU Servers of Vision Lab.