

Viraj Prabhu

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OBJECTIVE	A research and development role in artificial intelligence, particularly in creating scalable software for computer vision and natural language processing.		
EDUCATION	<i>Bachelor of Engineering with Honors</i> , Computer Science Birla Institute of Technology and Science, Pilani, RJ, August 2015 GPA: 8.56/10		
TECHNICAL SKILLS	<i>Languages & Software:</i> C++, C, Java, MATLAB, Python (Proficient) Visual Studio, JavaScript, PHP. HTML5/CSS, Eclipse (Prior Experience) <i>Operating Systems:</i> Unix, Windows.		
EXPERIENCE	<i>Member of Technical Staff</i>	Jul 2015 - Current	
	Adobe Systems India, Adobe Captivate Prime, Bengaluru, KA		
	<i>Intern</i>	Jan-Jul 2015	
	Tonbo Imaging, Bengaluru		
	Worked on the design and development of specialized imaging sensors for defence.		
	<ul style="list-style-type: none">Developed and implemented an algorithm in MATLAB for automated estimation of intrinsic camera parameters using a specialized target and collimator setup, to within 5% of ground truth.Implemented a boresighting application in embedded C on a DM365 processor for aligning firearm muzzle and sight.		
	<i>Intern</i>	May-Jul 2014	
	Adobe Systems India, Bengaluru, KA		
	Worked extensively in Computer Vision and allied fields as part of a two member team.		
	<ul style="list-style-type: none">Designed and implemented a novel Grabcut-based segmentation algorithm Keyframe Cut for real-time background removal and substitution in videos that fused color, motion, shape prior and adaptive background cues.Application was developed in C++ as a feature for the e-learning content authoring tool, Adobe Presenter, and demonstrated an average error rate of under 6% over a test dataset.		
ACADEMIC PROJECTS	<i>NewsLine:</i> Developed a Python application to crawl, cluster and chronologically present news articles pertaining to the same story with high accuracy. <i>Speaker Detection using Multiple Kinects</i> (under Dr. J.L.Raheja, CEERI Pilani): Developed a multithreaded C# teleconferencing application that employs three Kinect sensors to identify the current speaker and displays only his face on the central display.		
EXTRA-CURRICULAR ACTIVITIES	Member of the Press Club and the Department of Sounds at BITS Pilani Elected <i>Head Boy</i> in Lilavatibai Podar High School, '08-'09 Enjoy reading, playing music and quizzing		