

# Shantanu Das – Game Programmer

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<b>EDUCATION</b>	<b>Master of Entertainment Technology</b> Entertainment Technology Center, Carnegie Mellon University, Pittsburgh, PA	Expected May 2017
	<b>Bachelor of Technology in Electronics &amp; Telecommunication</b> Sikkim Manipal Institute of Technology, India	July 2011
<b>TECHNICAL SKILLS</b>	Programming Skills/Tools:- <ul style="list-style-type: none"><li>• C/ C++</li><li>• Java</li><li>• OpenGL</li><li>• cG shading language</li></ul>	<ul style="list-style-type: none"><li>• Unity</li><li>• Android</li><li>• openFrameworks</li></ul>
	Operating Systems:- <ul style="list-style-type: none"><li>• Ubuntu</li><li>• Windows 7/XP/Vista</li><li>• Mac OSX</li></ul>	
<b>WORK EXPERIENCE</b>	<b>Sony India Software Center Pvt Ltd, Bangalore, India</b> <b>Role - Graphics Engineer</b> <ul style="list-style-type: none"><li>• Developed prototypes on new ideas and concepts for natural UI using augmented reality, gesture control, face recognition etc.</li><li>• Contributed several prototypes on voice recognition UI for PS4.</li><li>• Worked in a team of six as a Chromium engineer. My role was to optimize the graphics engine of chromium by adding new features and optimize already implemented features.</li></ul>	August 2011 – July 2015
<b>ACADEMIC PROJECTS &amp; INTERSHIPS</b>	<b>Building Virtual Worlds, Entertainment Technology Center, Pittsburgh</b> <ul style="list-style-type: none"><li>• Programmer in a team of 5, built 5 virtual worlds in 2 to 3 week cycles</li><li>• Worked on the following platforms Oculus Rift, Myo Armband, Kinect, PS Move, Makey Makey.</li></ul>	September 2015 – December 2015
	<b>ThinkLABS Technosolutions Pvt. Ltd, Mumbai, India</b> <ul style="list-style-type: none"><li>• Trained in embedded systems. Worked on AVR architecture microcontrollers.</li><li>• Developed a digital clock using RTC (Real Time Clock).</li><li>• Developed a Tic-tac-toe game in Atmega 128 that could be played on the HyperTerminal, controllable through a joystick.</li></ul>	June 2010 – August 2010
	<b>Embedded Systems, Sikkim Manipal Institute of Technology, India</b> <ul style="list-style-type: none"><li>• Built a 6 degree of freedom Robotic Arm controllable by mouse or mobile.</li><li>• Devised a high speed line follower and optimized the PID (Proportional Integral Derivative) algorithm to take faster right angled turns.</li><li>• Developed a loop solving line following robot.</li></ul>	2010-2011
<b>PERSONAL PROJECTS</b>	<b>Android</b> Created an openGL Android live wallpaper. The app has over 29,000 downloads in Google Play. Application Link - <a href="https://play.google.com/store/apps/details?id=zakoi.livewallpaper.religious.shivsanker">https://play.google.com/store/apps/details?id=zakoi.livewallpaper.religious.shivsanker</a>	July 2013
<b>ACADEMIC HONORS AND AWARDS</b>	<ul style="list-style-type: none"><li>• Won the best leader award for leading a team of 119 employees in the annual business event in Sony India.</li><li>• Awarded Best Techie, Best Performer of the quarter and was nominated for Rising Star Award in Sony India.</li><li>• Won the fastest line follower robot competition in BITS Pilani, India.</li><li>• Third Position in Bachelor of Engineering application project for the robotic arm.</li></ul>	
<b>ACTIVITIES AND INTERESTS</b>	<ul style="list-style-type: none"><li>• Music – Guitar and Singing<ul style="list-style-type: none"><li>◦ <a href="https://www.youtube.com/watch?v=gRX_u6LkFOY">https://www.youtube.com/watch?v=gRX_u6LkFOY</a> – An example of my creative pursuits in music.</li></ul></li></ul>	