

# Sri Rama Kartheek Kappagantula

(408) 824-8229 | [kartheek.kappagantula@gmail.com](mailto:kartheek.kappagantula@gmail.com) | [www.ramkappagantula.com](http://www.ramkappagantula.com)

## SKILL SET

<b>Languages</b>	Java, C++, JavaScript, C#, C, Python, SQL, GLSL, Shell, Batch
<b>Web and Databases</b>	HTML, XML, CSS, jQuery, Bootstrap, PHP, Teradata, Oracle, MySQL
<b>Software/ API</b>	OpenGL, WebGL, Maya, Blender, Spring MVC, Chef, Hudson, WebLogic, Tableau

## WORK EXPERIENCE

<b>Software Development Engineer, Amazon, Seattle</b>	<i>Apr 2018 – Present</i>
<ul style="list-style-type: none"><li>Manages a web application that lets users schedule content to the Amazon retail website and subsidiary websites of Amazon like IMDB, Prime Video, Audible and Zappos.</li><li>Major projects include implementing a permission model for the application and developing a batch call for permission checks on search results</li></ul>	
<b>Software Development Engineer Intern, Amazon, Seattle</b>	<i>May 2017 – July 2017</i>
<ul style="list-style-type: none"><li>Redesigned the Amazon Forms Tool to switch from using server-side rendering to client-side rendering using Bootstrap, jQuery and Handlebar Templates</li><li>Developed the Live Preview feature to show how the changes made to a form would look like to an end user in real time</li></ul>	
<b>Teaching Assistant – Purdue University, West Lafayette</b>	<i>Aug 2016 – Dec 2017</i>
<ul style="list-style-type: none"><li>Teaching Assistant for the courses 'Web Programming, Development &amp; Data Integration', 'Principles of Interactive and Dynamic Media' and 'Introduction to Constraint based Modelling'</li></ul>	
<b>Associate Applications Engineer, Oracle - India</b>	<i>Jun 2014 - Jul 2016</i>
<ul style="list-style-type: none"><li>Automated the end-to-end cycle of builds and deployments for Oracle Utilities products using Chef and Hudson</li><li>Provided WebLogic Administration support for the releases Oracle Utilities products MDM and SGG</li></ul>	
<b>Risk Analyst Intern, PayPal - India</b>	<i>Jul 2013 - Dec 2013</i>
<ul style="list-style-type: none"><li>Performed a detailed analysis on the risk involved in initiatives taken by PayPal to retain customers using Teradata</li><li>Automated the Key Performance Indices Report for the Asia Pacific Region using SQL and ODBC</li></ul>	



## PROJECTS

<b>Teaching Avatars Research Project</b>	<i>Jan 2017 – May 2017</i>
<ul style="list-style-type: none"><li>Built a system to generate deictic gestures that point to lesson objects for a 3D teaching avatar by parsing a speech file provided as an input</li></ul>	
<b>Plugin Development in Python for Autodesk Maya</b>	<i>Nov 2016 – Dec 2016</i>
<ul style="list-style-type: none"><li>Developed 3 Python plugins for Maya to make the process of Rigging faster and easier, one for arm rig setup, one for leg setup and one for mirroring joint hierarchies</li></ul>	
<b>'Heart and Brain' – Animated Short Film</b>	<i>Aug 2016 - Dec 2016</i>
<ul style="list-style-type: none"><li>Modelled, Rigged, Skinned and Animated four Biped Characters for the Animated Short Film 'Heart and Brain'</li></ul>	
<b>OpenGL Applications with C++</b>	<i>Sep 2016 - Nov 2016</i>
<ul style="list-style-type: none"><li>Developed 'MayaChild' – an interactive CAD application by implementing Ray-Casting to enable object picking</li><li>Designed an interactive model of the Solar System using just transformations on Vertex Buffer Objects</li><li>Developed an application that lets the user create a Bezier curve dynamically and generate it's Surface of Revolution</li><li>Developed a shooting game by reading from textures attached to Frame Buffer Objects</li></ul>	
<b>WebGL and Web Applications</b>	<i>Jul 2015 - Aug 2015</i>
<ul style="list-style-type: none"><li>Developed Interactive WebGL applications using HTML, CSS and JavaScript - <a href="http://codepen.io/ksrkartheek">http://codepen.io/ksrkartheek</a></li></ul>	
<b>Application Development in Android</b>	<i>Jan 2013 - May 2013</i>
<ul style="list-style-type: none"><li>Designed and developed a prototype of the game Hangman for Android versions 2.2 and higher</li></ul>	

## EDUCATION

Program	Institution	GPA	Year
M.S, Computer Graphics Technology	Purdue University	4.0/4.0	2018
B.E(Hons.), Computer Science	BITS, Pilani - Hyderabad Campus	8.05/10	2014

## EXTRA-CURRICULAR ACTIVITIES

<ul style="list-style-type: none"><li>Event Manager for Council of Graduate Students at Purdue Polytechnic</li><li>Won Best Director and Best film awards in Oracle Short film Competition for the film "Respect Men"</li><li>Won the Best Film award in Oracle Short film Competition for the film "The Proposals"</li><li>Author of the blogs <a href="http://bestphilosophyblog.blogspot.in">http://bestphilosophyblog.blogspot.in</a> and <a href="http://bestphilosophyquotes.blogspot.in">http://bestphilosophyquotes.blogspot.in</a></li><li>Volunteer for the Organizations Make-a-Wish, National Service Scheme and Nirmaan</li></ul>		<i>Sep 2016 - Present</i>
		<i>2015</i> 
		<i>2014</i> 
		<i>2013 - present</i>
		<i>2012 - 2016</i>