

# Sri Rama Kartheek Kappagantula

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## 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

## WORK EXPERIENCE

<b>Software Development Engineer, Amazon, Seattle</b>	<i>Apr 2018 – Present</i>
▪ Manages a web application that lets users schedule content on the Amazon website	
<b>Software Development Engineer Intern, Amazon, Seattle</b>	<i>May 2017 – July 2017</i>
▪ Redesigned the Amazon Forms Tool to use Client-side rendering using Bootstrap, jQuery and Handlebar Templates	
▪ Implemented the Live Preview feature to show how the changes look like to a customer in real time	
<b>Teaching Assistant – Purdue University, West Lafayette</b>	<i>Aug 2016 – Dec 2017</i>
▪ Teaching Assistant for the courses 'Web Programming, Development & Data Integration', 'Principles of Interactive and Dynamic Media' and 'Introduction to Constraint based Modelling'	
<b>Associate Applications Engineer, Oracle - India</b>	<i>Jun 2014 - Jul 2016</i>
▪ Automated the end-to-end cycle of builds and deployments for Oracle Utilities products using Chef and Hudson	
▪ Provided WebLogic Administration support for the releases Oracle Utilities products MDM and SGG	
<b>Risk Analyst Intern, PayPal - India</b>	<i>Jul 2013 - Dec 2013</i>
▪ Performed a detailed analysis on the risk involved in initiatives taken by PayPal to retain customers using Teradata	
▪ Automated the Key Performance Indices Report for the Asia Pacific Region using SQL and ODBC	

## PROJECTS

<b>Teaching Avatars Research Project</b>	<i>Jan 2017 – May 2017</i>
▪ Built a system to generate animations for a character by parsing a speech file provided as an input	
<b>Plugin Development in Python for Autodesk Maya</b>	<i>Nov 2016 – Dec 2016</i>
▪ 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	
<b>'Heart and Brain' – Animated Short Film</b>	<i>Aug 2016 - Dec 2016</i>
▪ Modelled, Rigged, Skinned and Animated four Biped Characters for the Animated Short Film 'Heart and Brain'	
<b>OpenGL Applications with C++</b>	<i>Sep 2016 - Nov 2016</i>
▪ Developed 'MayaChild' – an interactive CAD application by implementing Ray-Casting to enable object picking	
▪ Designed an interactive model of the Solar System using just transformations on Vertex Buffer Objects	
▪ Developed an application that lets the user create a Bezier curve dynamically and generate it's Surface of Revolution	
▪ Developed a shooting game by reading from textures attached to Frame Buffer Objects	
<b>WebGL and Web Applications</b>	<i>Jul 2015 - Aug 2015</i>
▪ Developed Interactive WebGL applications using HTML, CSS and JavaScript - <a href="http://codepen.io/ksrkartheek">http://codepen.io/ksrkartheek</a>	
<b>Application Development in Android</b>	<i>Jan 2013 - May 2013</i>
▪ Designed and developed a prototype of the game Hangman for Android versions 2.2 and higher	



## SKILL SET

<b>Languages</b>	Java, C++, JavaScript, C#, C, Python, SQL, PL/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
<b>Operating Systems</b>	Windows, Unix, Android

## CERTIFICATIONS

▪ HTML, CSS and JavaScript - <a href="https://www.coursera.org/account/accomplishments/certificate/CB4NP36GMGST">https://www.coursera.org/account/accomplishments/certificate/CB4NP36GMGST</a>	<i>Feb 2016</i>
▪ WebGL - <a href="https://www.coursera.org/account/accomplishments/certificate/EKDVLWVYLM">https://www.coursera.org/account/accomplishments/certificate/EKDVLWVYLM</a>	<i>Jul 2015 - Aug 2015</i>

## EXTRA-CURRICULAR ACTIVITIES

▪ Event Manager for Council of Graduate Students at Purdue Polytechnic	<i>Sep 2016 - Present</i>
▪ Won Best Director and Best film awards in Oracle Short film Competition for the film "Respect Men"	<i>2015</i> 
▪ Won the Best Film award in Oracle Short film Competition for the film "The Proposals"	<i>2014</i> 
▪ 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>	<i>2013 - present</i>
▪ Volunteer for the Organizations Make-a-Wish, National Service Scheme and Nirmaan	<i>2012 - 2016</i>