

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

Software Development Engineer, Amazon, Seattle Apr 2018 – Present

- 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.
- Major projects include implementing a permission model for the application and developing a batch call for permission checks on search results

Software Development Engineer Intern, Amazon, Seattle May 2017 – July 2017

- Redesigned the Amazon Forms Tool to switch from using server-side rendering to client-side rendering using Bootstrap, jQuery and Handlebar Templates
- Developed the Live Preview feature to show how the changes made to a form would look like to an end user in real time

Teaching Assistant – Purdue University, West Lafayette Aug 2016 – Dec 2017

- Teaching Assistant for the courses 'Web Programming, Development & Data Integration', 'Principles of Interactive and Dynamic Media' and 'Introduction to Constraint based Modelling'

Associate Applications Engineer, Oracle - India Jun 2014 - Jul 2016

- 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

Risk Analyst Intern, PayPal - India Jul 2013 - Dec 2013

- 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

Teaching Avatars Research Project Jan 2017 – May 2017

- 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

Plugin Development in Python for Autodesk Maya Nov 2016 – Dec 2016

- 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

'Heart and Brain' – Animated Short Film Aug 2016 - Dec 2016

- Modelled, Rigged, Skinned and Animated four Biped Characters for the Animated Short Film 'Heart and Brain'

OpenGL Applications with C++ Sep 2016 - Nov 2016

- 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

WebGL and Web Applications Jul 2015 - Aug 2015

- Developed Interactive WebGL applications using HTML, CSS and JavaScript - <http://codepen.io/ksrkarteek>



Application Development in Android Jan 2013 - May 2013

- Designed and developed a prototype of the game Hangman for Android versions 2.2 and higher

SKILL SET

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

EXTRA-CURRICULAR ACTIVITIES

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