

Ruthvik Peddawandla

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Education	Bachelor of Science – Computer Engineering and Computer Science GPA: Major – 3.10 Fall 2014 – 3.70 [Deans List] University of Southern California	Class of 2016
Languages & Technologies	C/C++ Python Raspberry Pi HTML/CSS Hadoop/MapReduce	
Advanced Coursework	Computer Networks, Intro to Robotics, Statistics & Probability for Engineers	
Experience	<div>Intern - Emmvee Solar Systems Pvt. Ltd. July-August 2014<ul style="list-style-type: none">Performed site evaluation analysis, drafted wiring diagrams, calculated and selected various components for systems based on consumer-specific constraints and requirements.Coordinated and worked with a team of 5 other interns to complete projects assigned by the manager utilizing different solar power industry technical software.</div> <div>Intern - Hydromax Ltd. June 2012 June-July 2013<ul style="list-style-type: none">Worked with on-site crew to operate electrical powerhouse at a hydroelectric power plant.Shadowed project manager and contributed to problem management committee.</div>	
Projects	<div>Raspberry Pi Personal Voice Assistant July 2014<ul style="list-style-type: none">Implemented an always-on, voice-controlled, completely programmable personal assistant which answers questions and performs actions by delegating requests to a set of web servicesImplemented a standalone streaming music player and gesture-controlled interface using a 3 Axis Accelerometer</div> <div>App Development – Human Logistics January 2014<ul style="list-style-type: none">Conceived a startup concept as a part of a two-man team with a vision of transforming the international courier service by creating a network of crowd sourced couriers.Coded the front end of an accompanying webapp using HTML, CSS and jQuery Mobile.Idea/Concept app placed 3rd and won a cash prize of INR 20,000 in an app innovation competition contested by 500+ teams backed by Intel and the Govt. of Karnataka, India.</div>	
USC	<p>Programming [C++] [Fall 2014]: Coded the backbone of a social network in C++. Functionality included the ability to add/remove elements, read/write from/to external files, add/remove/suggest friends and find shortest paths among others.</p> <p>Programming [Python] [Spring 2015]: Coded a web scraper in python that scraped and analyzed data from the English Premier League for a sports analytics project.</p> <p>Programming [Assembly] [Spring 2014]: Programmed a variation of Pong on an FPGA board in Verilog using Xilinx ISE. Gravity is simulated and speed increases with each point. Output to VGA.</p> <p>Circuitry [Fall 2013]: Designed and built basic electric guitar along with amplifier, tuner and distortion circuits using a cigar box, resistors, capacitors & diodes in a 2-man team.</p>	
Leadership	<div>Project Africa January 2012 – May 2014<ul style="list-style-type: none">Communicated with Ugandan organization and coordinated team's service trip to identify the biggest problems affecting a remote village in central Uganda and actively engage the locals in discussions and activities to implement solutions to overcome them.</div>	