

Surya Manickam Krishna

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Education

- **Master of Science - Computer Science (GPA 3.67)** **May 2015**
Syracuse University, L.C. Smith College of Engineering, Syracuse, NY
Relevant coursework: Artificial Intelligence, Advanced data structures, Design and Analysis of Algorithms
- **Master of Science - Software Engineering (GPA 8.3)** **May 2011**
PSG Tech, Coimbatore, India. Five year integrated course.

Git Hub Handle: <https://github.com/suryak>

Professional Experience

Krizda India Private Limited (India) - co-founder & Software Architect **Aug'12 - Aug'13**

- krizda.com is an online jewellery store catering the Indian domain. Within the span of a year, my Co-Founder and I worked on
 - Conceptualized the Idea of Krizda.com
 - Build the website using Ruby on Rails
 - Maintained and hosted the website using Amazon EC2

Adobe (India) - Member of Technical Staff **May'11 – Aug'12**

- Worked on the domain Search Engine Marketing.
- Set up Sun Grid Engine for optimising the load on machines.
- Worked on building backend for Adobe dealing with a large volume of data received through APIs from Microsoft, Google and Yahoo.
- Built a scheduler reporting tool which has an interface and lists all the processes which have been scheduled or missed out.

Chronus Software Private Ltd (India) - Software Intern **Apr'09 – Dec'09**

- Worked on developing a web 2.0 platform for mentoring and knowledge Management (Ruby On Rails).

Academic Projects

JS Quiz: Developed a JavaScript, svg based interactive (using d3.js) quiz application which is integrated with video. The video is controlled by Mozilla's Popcorn library. The question data and the display details can be configured in a file. <http://jsquiz.kissr.com/>

Search Tab: Developed an Add-on for Mozilla Firefox to ease the process of navigation of tab by typing the names of the title in a search box. It was also published in AMO (removed now due to copyrights issue).

Twitter Search Engine: A search engine, which gets real time tweets and filters it based on the query using fuzzy logic.

Remote OS Detection: A tool which when given an IP, will guess the Operating System running on the remote machine.

Bookmarking website: A website developed using PHP which helps to store and share bookmarks to others, JavaScript was used for validating. One of the unique feature is, for any search query, it crawls over the bookmarked page and then pattern matches.

SMS Quiz: A SMS quiz application was developed for Login 08, a National Level Technical Symposium. Participants can register for the quiz through a SMS and questions will be automatically sent to them by SMS.

UNIX Performance Monitor: implemented a performance monitor for UNIX as a desktop applet in Perl. It won the best project of the class. It had a simple and intuitive user interface. It is installed in the department server for monitoring purpose.

ZipTar: An application developed in Java through which we can compress a lot of files either to zip or tar and also unzip it.

Awards and Activities

Won prizes at several coding contests held at national level. (Kurukshetra, Nakshatra, Kruzade)

- Maintaining a prestigious BLOG (<http://amazingstuffs.blogspot.com>) with a PageRank of 3.
- State first in High School Mathematics.

Skill Set

- *Programming Languages:* C++, Python, Java, Ruby
- *RDBMS:* MySQL
- *Technologies:* Ruby On Rails, Javascript, d3.js, SVG, HTML, CSS, XML, JSON
- *Operating Systems:* mac OS X, Linux
- *Development Tools:* vi, Eclipse SDK, Net Beans