

# RAGHAV RAMESH

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Projects: github.com/RaghavRamesh

## EDUCATION

### National University of Singapore (NUS)

Aug 2011 – May 2015

- Bachelor of Engineering (Computer Engineering), Honours
- Minor in Technopreneurship

### NUS Overseas Colleges, iLEAD Entrepreneurship Programme

May 2013 – Jan 2014

- Worked full-time in a start-up and obtained insights from Founders who are serial entrepreneurs
- Developed and solved a business case on the internship company and produced a working solution for the case issue
- Travelled overseas for a study mission to Beijing, Shanghai and Suzhou to understand the market, start-up process and culture in China

## TECHNICAL SKILLS

- Programming Languages: Python, Java, C, C++, C#
- Web dev: Flask, JavaScript, PHP, CSS, AngularJS, jQuery
- Databases: MySQL, Microsoft SQL Server, MongoDB, Parse
- Other: Chrome extensions API, Firefox Add-Ons API, VHDL, Assembly, iOS, Android
- Platforms: Mac OS X, Windows, Linux

## WORK EXPERIENCE

### K. G. Tan & Co. PAC – Alliot Group - Professional Services Company

May 2014 – Aug 2014

*Software Engineer Intern*

- Worked directly under the Director of the company as the lead IT Engineer
- Assisted the Director to assess utilization of audit associates by building a web application that calculates the time taken to complete case services
- Created a quicker way for the Audit Manager to assign case services by building a user-friendly web interface that replaced Excel
- Worked with the Director to define and recruit the core competencies required to hire the next team of permanent IT Engineers
- Advised the Director on methods to migrate the company's legacy systems into newer technology

### 99.co / Homie.co / BillPin Pte. Ltd.

May 2013 – Nov 2013

*Software Engineer Intern*

- Worked under the CTO to create a library from scratch using AngularJS to reduce the overall loading time of the website. The average loading time taken was reduced from 14 to below 4 secs
- Worked directly under the CEO and developed an analytics script to track the behaviour of users while creating a profile. The analysis helped reducing the drop off rate of users from 40% to 20%
- Worked with the CTO in building a friendly interface for the Product Manager to address bugs in the database. The time taken was reduced from 15 minutes to less than 3 minutes
- Developed a script to optimize the page-loading time by *lazy-loading* the images of the website. The script reduced the page-load time from 9 secs to less than 2 secs
- Developed patches to ensure complete functionality of the company website across 5 browsers including Internet Explorer

### iLink Systems – Software Solutions Provider

Dec 2012 – Jan 2013

*Social Media Marketing Analyst Intern*

- Published *Search Engine Optimized* articles to promote the rank of the company's website from the second to the first page
- Learnt and applied the principles of *Social Bookmarking* and *Articles Spinning*
- Advertised the company's website in tech forums and created back links to promote SEO rank of the company website
- Promoted the company's website in several social media channels including Twitter, Facebook and Google+ by actively looking for customers searching for software solutions

## PROJECTS

- Final Year Project – AutoComPaste – written in C, C++. An image processing and OCR based project focused on improving speed of processing using GPUs and parallel programming
- Ribs – JavaScript framework – written in AngularJS. A framework built from scratch aimed at indexing data with a broader picture of increasing page load speed
- EZTask – Desktop application – written in Java. A Task Manager application that helps users maintain To-Do lists
- MuzicDB – Web application – written in PHP, JavaScript, MySQL. An online music store that lets users browse and buy music
- QuickMDN – Chrome, Firefox extension – written in extension API. An extension built to increase the speed of researching JavaScript syntax, quirks and API
- Hypermarket System – Desktop application – written in C++. A CRUD enabled application that maintains stocks of a super market
- Kill 9gag Feed – Chrome extension – written in Chrome extension API. An extension built to avoid distraction at work
- More – <https://github.com/RaghavRamesh>

## CO-CURRICULAR ACTIVITIES

### **Advisory President, President and Production Manager, NUS Indian Dance** **Aug 2012 – Present**

- Spearheaded a group of over 100 directors, artists and members in AY 2013/14
- Conducted 3 concerts of total budget worth \$32000 and earned a profit of \$5000 for the club
- Presided over all the production aspects of 3 concerts for the club during the AY 2012/13
- Single-handedly coordinated the lights, sound and props cues for 3 shows

### **TeamNUS Inter Varsity Player, Cricket** **Jan 2012 – Present**

- Represented Singapore in the *Annual International Varsity Tournament* in Kuala Lumpur, Malaysia, against six different countries
- Represented and won the *Gold, Silver* and *Silver* Medals in Corporate League (Division 1) '11, '12 and '13 and won the *Gold, Bronze* Medals in Singapore University Games '12 and '13 respectively

### **IT Executive Director, NUS Student Chapter of the ACM** **Aug 2011 – May 2012**

- Maintained and updated the club websites during talks, workshops and hackathons
- Headed the social media marketing team and publicised the club events in social media channels

### **Community Service Member, Sathya Sai Organisation, India** **Jun 2001 – Jun 2010**

- Visited old age homes and donated clothes, food and arranged entertainment
- Set-up stalls on the streets in summer and served *buttermilk* – a traditional refreshner

## SCHOLASTIC ACHIEVEMENTS

### **Start-Up Business Case on BillPin Pte. Ltd.** **Sep 2013**

- Proposed a stable working revenue model for BillPin after detailed analysis of the company's user base and competitor's business models – Grade A (8 MCs)

### **National Institute of Information Technology Certification, India** **Jul 2012**

- In Java, C++ and C

### **24 Hour Hackathons – Coding marathons** **Aug 2012, May 2013**

- Hack N' Roll by NUS Hackers – Participated in the hackathon and developed a social challenges website
- Developer Weekend by NUSACM – Participated in the hackathon and spearheaded a team of 4 in building a social runner website