

## Education

<i>Institution</i>	<i>Degree</i>	<i>Percentage/GPA</i>
<b>PES Institute of Technology</b> Bangalore, 2014	Bachelor of Engineering, Computer Science	9.40/10
<b>National Public School,</b> <b>Indiranagar</b> Bangalore, 2010	Grade 12 : CBSE	94.2%
<b>Baldwin Girls' High School</b> Bangalore, 2008	Grade 10 : ICSE, State Topper	96.9%

## Work Experience

<b>Intuit Inc.</b> Bangalore, India Aug '14 - Present	<b>Product Developer, Chief Technical Organisation (CTO-Dev)</b> <ul style="list-style-type: none"><li>- Design and Development of REST based services to serve secure data access, storage and management needs across all the financial products</li><li>- Web development using Node and AngularJS based frameworks</li><li>- Exposure to working with Cassandra, Apache Spark (with Scala) and Solr</li></ul>
<b>eBay Inc.</b> Bangalore, India Jan '14 - June '14	<b>Software Engineer Intern, Commerce Experience team</b> <ul style="list-style-type: none"><li>- Involvement in an experimental automation project to minimize the onboarding barrier for vehicle dealers in eBay Motors.</li><li>- Proof of concept for a project involving an extensive comparison of various email clients as an alternative to the member to member (B2C) messaging mechanism for the website users.</li></ul>
<b>Cisco Systems, Inc.</b> Bangalore, India June '13 - Aug '13	<b>Software Engineer Intern, Network OS Grp.</b> <ul style="list-style-type: none"><li>- Developed a C-language based tool to provide a comprehensive subscriber logging history to enhance sessional debugging for routers, with an emphasis on minimizing the memory footprint.</li></ul>
<b>Sensei Technologies</b> Bangalore, India June '12 - Aug '12	<b>Software Engineer Intern</b> <ul style="list-style-type: none"><li>- Migration of the infrastructure of a Facebook Application deployed on Google App Engine (PaaS) to a private server, using MongoDB for persistence.</li></ul>

## Research Experience

### **Reduction of the Layer 2 Broadcast Traffic for Data Centers using Software Defined Networking (SDN)**

**Jan '14 - May '14**

*(Research Assistant under Dr. Ram P. Rustagi, PES Institute of Technology)*

SDN was used to obtain a granular level control on the behaviour of switches and their MAC tables in a Data Center Network, to eliminate unknown unicast traffic and minimize the ARP broadcast traffic. This work was carried out to support flexible layer 2 Virtual Machine migration and to utilize the inbuilt redundancy in Data Center network architecture. It has shown promising results with a significant performance gain.

***Recognition - Winning entry at the student competition at the IEEE CCEM (Cloud Computing for Emerging Markets) Conference held in October '14, Bangalore, India and is due to get published.***

## Selected Projects

### Device Based Triggers

Dec '12 - May'13

A mobile application incorporating Intel's Common Connectivity Framework to automate repetitive tasks in our daily lives. *Device-based* context awareness was used to trigger pre-configured tasks on behalf of the user. This project was enhanced with custom device detection protocols to be open sourced.

### Session Based load balancing in NGINX

July '13 - Nov'13

The goal was to explore several load balancing techniques and achieve session based load balancing when browser cookies are disabled. *Blog* - <http://nginx-load-balancing.blogspot.in>

### Systems and Algorithms

July '13 - Nov '13

- Implementation of a number of Supervised and Unsupervised learning algorithms in Data Mining for the analysis of several case studies using Weka
- Code optimization and data flow analysis of the intermediate code generated by a Compiler
- Parallel make utility using OpenMP, MPI and pthreads

### Virtual Classroom

Feb '13 - April '13

Enabling distance learning through a live session between a tutor and a set of students with support for teaching aids like presentations, documents and a chat capability to resolve queries.

## Awards

IEEE CCEM (Cloud Computing in Emerging Markets), Bangalore  
Oct '14

**Best Student demo and poster** for my undergraduate research thesis - "Reduction of Layer 2 Broadcast Traffic for Data Centers using Software Defined Networking"

Intel Innovation Contest,  
Bangalore '13

**Most innovative application** using Intel's Common Connectivity(CCF) Framework from over 90 project submissions

Anita Borg Institute, Grace Hopper Conference Hackathon,  
Bangalore Nov '14

**Best application** at the GHC hackathon themed "Tech for Good" held across 3 cities for a mobile and web portal to provide employment opportunities for blue collar workers through a referral based system

Venturesity Hackathon,  
Microsoft R&D, Bangalore  
March '14

**Best mobile application** themed "Hacking for Democracy" for a real-time sentiment analysis of Twitter feeds to obtain statistics reflecting the mood of the nation to aid in the Indian General Elections '14

Baldwin Girls' High School,  
Bangalore

**Best Outgoing Student award** in High School, **scholarship** from the Alumni Association for excellence in academics

Baldwin Girls' High School

**State Topper** in the National Boards exams in 10th grade, ICSE, India

## Other Activities

- Teaching and Lab Assistant for a "Programming and Problem Solving in C" training session conducted for sophomores in college. (June - July '14)
- Panel member and mentor at the *Ms. Hackers* initiative to aid in the technical development and employment of women in technology. (March '15 by Venturesity in association with Microsoft)
- Completed an additional certified course in *Advanced Operating Systems* under Prof. Prashanth Shenoy of the University of Massachusetts, Amherst. (Fall '12)
- Completed a *Machine Learning Course* by Stanford's Andrew Ng on Coursera.
- Worked on a crowdsourcing project to enable real time tracking of buses in India without the use of GPS systems on individual buses. This idea was initiated as a part of the *Sequoia Hack 2014*, Bangalore.
- Organized a Design and Innovation workshop held at PESIT in collaboration with the Massachusetts Institute of Technology (*MIT Media Labs '13*)
- Selected by Infosys among top 36 students from Bangalore under their "Catch Them Young" programme based on a logical and mathematical test conducted across the state, for a summer student programme.