

PALLAV RUSTOGI

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Education

University of Southern California, Los Angeles, CA May 2014
Master of Computer Science

Courses : Operating Systems, Analysis of Algorithms, Artificial Intelligence, Web Technologies, Database Systems, New SQL Database Management Systems, Advance Database Systems, Art and Adventure of Startup

Visvesvaraya Technological University, Karnataka, India June 2009

Bachelor of Engineering, Information Science and Engineering

Best Student Award, Siddaganga Institute of Technology, by **Tata Consultancy Services**

Software Proficiency

Programming languages/Scripts	C, C++, Java, VB/VB.Net, Perl, Shell, Python
Mobile/Web Technology	Android, HTML, CSS, Javascript, Ajax, NodeJS, Php, JSON, XML, XSD, XSLT, XQuery
Database	Oracle 9i/10g, MySQL, MongoDB, MS-Access, Cassandra, Postgre
Other Tools	Clear Case, Git, Clear Quest, Toad, XML SPY, Web Hawk, Soap UI, Eclipse, MATLAB
Web-Server	Apache, Tomcat, Nginx, Node-Proxy

Work Experience

Ericsson, Los Angeles, CA – Software QA Intern Sept 2013 – Present

Automate web-service quality testing using Java.

Harman International, Vernon Hills, Illinois - Software Navigation Intern June 2013 – August 2013

Automated route format conversion and route comparison tools using C++

Marshall School of Business, USC, Los Angeles - Research Assistant Jan 2013 – May 2013

Working as an application developer to automate data-collection from various online sources.

IBM India Pvt. Ltd., Bangalore, India - Package Solution Consultant July 2009 – July 2012

Developed and enhanced CRM applications, implemented web-services, implemented

Database scrubs, Cron jobs, COM sheets, Perl and Shell scripts. Automated document generation.

Best of IBM: Certificate for exceptional contribution in Project having aggressive schedule with **zero defects**

Best of IBM: Certificate for excellent team contribution to critical wireless wireline integration program

Projects Undertaken

University of Southern California:

BG benchmark MySQL, Cassandra, MongoDB data-stores for social network Team size: 2 Feb 2013

- BG benchmark is a tool similar to Yahoo Cloud Serving Benchmark. Developed and measured performance of a sample social network implementation on MySQL, Cassandra and MongoDB data-stores.

Implementation of kernel threads on Weenix OS Team size: 3 Nov 2012

- Implemented APIs to create threads, processes and schedule them for execution on non-pre-emptive kernel
- Included the concept of Mutual Exclusion among the threads.

Token bucket emulation and statistics calculation in time driven and deterministic mode Oct 2012

- Emulated token bucket system using **multi-threading** using C

Movie search app on android phone Nov 2012

- Created an **android** app to search movie information from IMBD and post it to **Facebook** using **FB API**
- This application scrapes IMDB website using perl and javaservlet

Co-Founder and developer at two startups at Viterbi, PlantSense and ScanItOn Team size: 3 Sept 2013

- PlantSense provides a human connection between plants and humans.
- ScanItOn is a personal delivery tracking system, which can be used for tracking internal mail.

Additional

- Developing a scalable and easy to use project management tool called **Jutja.com** using **Sailsjs** and **D3js** June 2013
- Automated ID card generation with unique QR code and profile management for Association of Indian Students
- Re-designed webpage of Viterbi Graduate Student Association using bootstrap

Please find complete list of projects at <http://bit.ly/157eRJq>

Achievements

Senator and IT Operations head, VGSA – Department of Computer Science from Spring 2013 to present

Analysis of multi-component signal using EMD: 1st position at Browse09, Siddaganga Institute of Technology

All India Rank 28 in 4th National Cyber Olympiad conducted by Science Olympiad Foundation