
EDUCATION

STANFORD UNIVERSITY (2010 - 2012) – MS IN COMPUTER SCIENCE (HUMAN COMPUTER INTERACTION) --- GRADE: [3.8 (GPA)]

Interests: Human Computer Interaction, Web Applications, Information Retrieval and Web Search

Courses: Web Applications (CS 142), Introduction to HCI (CS 147), Object Oriented Programming from Modeling and Simulation Perspective (CS 249A), HCI Design Studio (CS 247), Introduction to Probability for Computer Scientists (CS 109)

Other Planned Courses: Machine Learning, Data Mining, Information Retrieval and Web Search, Databases, Data Visualization, Research in HCI (CS 376)

Research Assistantship: With Prof. Josh Elias, Stanford GFY software (Mass Spectrometry for studying Proteomes)

PUNE UNIVERSITY (2003 - 2007) - B.E IN COMPUTER SCIENCE --- GRADE: [FIRST CLASS WITH DISTINCTION]

Courses: Artificial Intelligence, Design and Analysis of Algorithms, Theory of Computations, Object Oriented Modeling and Design, DBMS, Data Structures, Principles of Programming Languages, Computer Networks, Network and Security, Operating Systems, Compiler Construction and Design

TECHNICAL SKILLS:

Programming Languages: C, C++, Java

Web Technologies: HTML, CSS, PHP, Ruby on Rails and Javascript

INDUSTRY EXPERIENCE

BMC SOFTWARE (JULY 2007 – AUGUST 2010) - PRODUCT DEVELOPER

Some of the key development work I did at BMC are – extended marimba's package deployment support to x64 architecture (native x64 packaging support), introduced AMT(vPro) support in Marimba, wrote Marimba AMT Java SDK for Marimba Channel programming, implemented job handling functionality in the Marimba Desktop Library by wrapping native (OS) job implementation with Java's process handling APIs (used by Marimba Deployment Manager and Patch Manager), extended Wake on LAN to work across routers (in distributed infrastructure) by auto-relay mechanism.

PUBLICATIONS/PRESENTATIONS

- Presented BBCA vPro functionality to Marimba User Group: http://www.cm-ug.com/files/12-2009_vPro_CM-UG_Minutes.pdf
- vPro whitepaper: <http://documents.bmc.com/products/documents/49/48/124948/124948.pdf>

Note: Intel has uploaded some videos of the Intel AMT features I had developed for Marimba at BMC. See http://www.youtube.com/watch?v=w5lySsX_P-A and other related videos on YouTube.

ACADEMIC PROJECTS

EXTENDING BLUEPRINT (STANFORD UNIVERSITY): Programmers often borrow code by searching web (code repositories, documentation, blogs and forums). Blueprint IDE integrates web search to enable programmers with context specific example code at real time. Although it is helpful, many times only showing examples is not enough; it is often difficult to understand code written by somebody else. Thus, the extended Blueprint also provides help on each line of the example code to help users understand the borrowed code. Furthermore, it provides capabilities like executing and error checking on a fragment of code (user can select some lines of the code in the editor window and execute it independently).

PHOTO SHARE (STANFORD UNIVERSITY): A photo sharing website designed for sharing photos on web in real time. Features include: face tagging (manually), comments, organizing albums, and photo search.

IEAT (STANFORD UNIVERSITY): Developed an iPhone web-application for people to socialize in their daily meals (eat together with friends and share meals). Employed a formal design process: need-finding, brainstorming, ideation, prototyping, implementation and iterative refinement based on user-testing and feedback.

AWARDS

- Recipient of "[*The American Alumni Association Student Grant 2010*](#)", "[*The KC Mahindra Scholarship for Education Abroad 2010*](#)", and the "[*Sir Ratan Tata Trust Travel Grant*](#)" for MS in CS at Stanford University
- Featured into the Vice President's list of "[*The Above and Beyond Performers*](#)" at BMC Software thrice (This award is given to a very few employees, to recognize outstanding contribution to the company).
- [*The Best Student Award*](#) (Computer Science Class 2007)

EXTRA CURRICULAR

- [*MS Liaison*](#) at Stanford University
- Headed "[*The Association of Computer Engineering Students*](#)" (a CS department student organization at Pune University) and "[*The Digital Renaissance*](#)" (the college annual tech) as its Chairman and General Secretary during the year 2006-2007.