

AAKASH DEEP MANDHAR

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Objective

Create high performance, scalable, quality software to touch and influence the lives of millions of users.

Professional Experience

(July 2004 – present)

Yahoo! Bangalore Software Development Center

Bangalore, India

Software Engineer

March 2006 – present

- Working on the development and maintenance of MSP (Message Store Platform) which forms the backend of many Yahoo! products like Message Boards, 360, Ratings and Reviews, Video search, podcasts etc.
- Developed federated MSP to collate queries across various DB installations.
- Implementing XMSP (Extended MSP) which is a newer version of MSP which is similar to an OR (Object-Relational) mapping layer and allows the properties to change the DB schema without having to recompile their code.
- Participated in Hack days (Yahoo! internal events to showcase personal projects)
- Due to the open source culture in Yahoo!, have also contributed some patches to other product teams.

Hewlett Packard India Software Operations

Bangalore, India

Software Designer

August 2005 – March 2006

- Possess complete ownership of ARM (Application Response Management) CPE module. Independently handle all customer-related and change-related issues for this module.
- Work out feasibility and work estimates for any customer specific change requests.
- Part of 6-member OpenView Performance Agent (OVPA)/ Glance team. As part of this team I interact with customers directly, resolve issues and work on the maintenance and enhancement of the product.
- Conduct training sessions for customers on our products.
- Write articles to be published in technical magazines. Have also written a white paper and several disclosures on ARM and Glance.
- Work on creating a knowledge repository for the product entirely on my own initiative.
- Also presented a Poster in the HP India Technical conference.

Software Engineer

July 2004-July2005

- As part of OVPA/CPE team had to learn and thoroughly understand the product.
- As part of the 6-member team, interacted with customers directly to resolve issues and also worked on the maintenance and enhancement of the product.
- Due to exceptional technical grasp and good performance was assigned complete responsibility of an independent module ARM (CPE).
- Automating the build of OVPA for Insure (Memory leak detection tool)
- Made an effective a presentation on the product to the entire team and was praised by the section manager. Thus was selected to visit a customer site at Taiwan and make a presentation on the product. This was also a pre-sales initiative. The trip was a big success and the company bagged a multi million dollar contract.

E d u c a t i o n

M.S. Ramaiah Institute of Technology

Bangalore, India

Bachelor of Engineering (Computer science & Engineering)

Aug 2000 – June 2004

- Overall Percentage 83%.
- Secured maximum marks in Mathematics (100%) in 3rd semester
- Authored paper titled “Hybrid Distributed Congestion Control Protocol for MANETs” which was presented at CIIT-2004, IASTED international conference held at Virgin Islands, U.S.A, in November 2004.

S k i l l s (Level of Skill: E = Expert, I=Intermediate, B=Beginner)

Languages: C++ (E), C (E), Java (I), PHP (I) , VB (I), Perl (B), Python (B)

Operating Systems: FreeBSD (E), Linux (E), Windows (I), HPUX (B) , Solaris (B)

Databases: MYSQL (I), Oracle (B), DB2 (B), Db4objects (B)

Misc.: Clearcase (I), CVS (I), Apache (I), Makefile (I) , HP Openview (I)

P e r s o n a l & C o l l e g e P r o j e c t s

- Implemented online RISK game using Yahoo! maps. (JavaScript, PHP, MYSQL)
- Online programming contest solution (PHP , MySQL)
- Online celebrity stock exchange. (PHP, MySQL)
- A bot plug-in for gaim. (Gaim and C)
- Yahoo! internal tool to find the first common manager given any two employees (AJAX, JS, Perl)
- Wrote a Python wrapper for the Yahoo! bot library.
- Developed a Hybrid distributed congestion control protocol for MANETs. Simulated it on NS2.
- Have submitted games such as Text Twist , Cows and Bulls and some other programs for use by others on www.planetsourcecode.com
- Developed treasure hunt software for the College fest for two years (VB , C)
- Developed a portal for on campus recruitments. (Perl and Microsoft Access)
- Developed a games package in Java including games such as “Snakes and ladder”, “Battle ships” etc.
- Developed a client server based submission tool for online programming contests. (KDevelop, C)
- Possess complete ownership of ARM (Application Response Management) CPE module.
- Parking automation system (VB, Oracle and iButton)
- Character recognition tool in Linux (C++, KDevelop, QT)
- Full Screen Graphics editor (Fastgraph and C)
- Full Screen Text Editor (ncurses, C)

Achievements

- Disclosure on “**Application Response Measurement using Aspect Oriented Programming**” to be filed as a Patent by HP.
- Paper titled “**Hybrid Distributed Congestion Control Protocol for MANETs**” was presented at the IASTEAD CIIT-2004 conference in Virgin Islands USA.
- Awarded ‘Best Achiever’ prize for the 2000-2004 batch from the department of Computer Science and Engineering at college.
- Cleared the Mensa test in February 2006 and have applied for the MENSA membership. (www.mensa.org)
- Conducted a successful customer presentation and training in Taiwan which helped HP bag a multi million dollar contract.
- Founding chairperson of student chapter of Institute of Electrical and Electronic Engineers (IEEE) in college.
- Ranked in the top 100 Indian coders on www.acm.uva.es. Solved 130 problems.
- Won several prizes at inter-collegiate and intra-collegiate levels in programming contests, debugging contests and optimization contest. Participated in International Collegiate Programming Contest at IIT –Roorkee and stood 13th of 35 international teams.
- IBM Certified Websphere Studio Application Developer & IBM certified Database Associate.
- Won stress interview event at UVCE IEEE Student Branch Fest.
- Speaker at vrlinug (A Linux users group at MSRIT).

Spoken Languages

English, Hindi, Kannada, French and Punjabi