

## Asim Kadav

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### CONTACT INFORMATION

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### EDUCATION

**University of Wisconsin, Madison**, Madison, WI

First year graduate student in Computer Sciences.

Courses: Advanced Operating Systems, Advanced Computer Architecture, Information Security, Parallel Computer Architecture and Topics in Computer Architecture.

**National Institute of Technology**, Nagpur, India

*Formerly Visvesvaraya Regional College of Engineering* : Graduation Date - May 2004

Bachelors in Computer Science and Engineering *with distinction.*(77.585 percentage)

### WORK EXPERIENCE **University of Wisconsin**, Madison

*Teaching Assistant at Computer Sciences Department*

**Aug 2007 - June 2008**

Teaching assistant for courses CS302: Introduction to Programming and CS 552: Introduction to Computer Architecture.

**IBM Systems and Technology Labs**, Pune, India

*Systems Software Engineer*

**February 2006 - July 2007**

Member of India development team of IBM's parallel clustered file system product- GPFS (General Parallel File System) and was involved in developing the product for 64 bit Solaris SPARC V9. Experience in designing efficient trace mechanisms, mount routines, access control lists, VFS operations and various system functionalities for large scale distributed system.

**Oracle Corporation**, Bangalore, India

*Technical Analyst*

**June 2004 - February 2006**

Development of storage and database solutions including fault tolerant and self adaptive systems, resource monitoring, database cloning, data re-organization, disaster recovery solutions, performance tuning and query optimization.

### HONORS AND AWARDS

Outstanding performance award from IBM Systems and Technology Labs, April 2007.

Award from Oracle Corporation for consistent performance, April 2005.

Scholarship under National Scholarships Scheme from Central Board of Secondary Education.[File - A-229/98], April 1998.

### SELECTED PROJECTS

Application characterization of real time ray tracing systems.[Sept 2007 - Dec 2007]

Reliability analysis of ZFS by simulating on-disk block corruption. [Sept 2007 - Dec 2007]

Involved in developing an efficient binary trace mechanism for GPFS Solaris. [Sept 2006 - Jan 2006] :with IBM Systems and Technology Labs.

Designed log corruption forecast and recovery algorithm as an adaptive system for a disaster recovery solution. Was subsequently awarded for the same.[August 2005] :with Oracle Corp.

Designed system for monitoring and recovery of ERP cloning systems. [April 2005] :with Oracle Corp.

B.E project: “Efficient Trigger Implementation in MySQL 4.0”. [April 2004] :with Dr. A.S. Mokhade

Implementation of a complete C Compiler. [October 2003] :with Dr S.R.Sathe

Win2Lin: an ext2 file system access system from Win32 systems . [June 2003] :with Dr S.R.Sathe

Design and Implementation of FINE - a dynamic content management system. [August 2003] (*runs <http://www.vnitlumni.org>*)

#### PUBLICATIONS

Article Setting up a multicluster environment using General Parallel File System published at IBM DeveloperWorks. (<http://www.ibm.com/developerworks/systems/library/es-multiclustergpfs/index.htm>) [May 2007]

Poster “Approaches to Dynamic Program Analysis” displayed at “Workshop on Next Generation Programming Languages” organized by IBM Research Labs. [November 2006]

Class Paper “Efficient Trigger Implementation Schemes”, Co-Author. [April 2004]

Class Paper “Adaptive Cruise Control as an Embedded System”, Asim Kadav, describes the model and the algorithm involved. [February 2004]

#### OTHER ACHIEVEMENTS

Disclosure(IP) “System for Clock Aware Generation of Speed Dial Lists” published at ip.com [IP-COM000152213D]. [November 2006]

Ranked 19th in the district in the Class XII Examinations. [May 2000]

In top 0.1% in India in Mathematics in Class X Examinations. [April 1998]