

Abhinay Nagpal

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Career Summary

- Nearly 3 years of experience as DB2 Advanced Technical Support Engineer.
- Over 6 months experience in Implementation and Development of new features of a Business Intelligence Tool
- 6 months experience as visiting faculty Taught Database Management Systems and conducted lab assignments
- **I have applied for 28 patents and served on IBM's Invention Development Team (IDT) since Jan' 2010**
- I have a good publication record and my papers have been indexed in IEEEExplore

Expertise:

- Good experience in Java and Eclipse Plugin development , C , C++ , PHP ,Ajax, Perl,systems management,shell scripting
- Good experience in predictive analysis , data mining and business intelligence.
- Extensive experience using DB2 LUW- implementing Replication, backup and recovery strategies, performance tuning and physical design , query tuning , query rewrite
- Strong analytical ability and good communication skills.

Professional Achievements

- Received **IBM Rookie of the Year Award for 2008** for being the best performer in IBM India
- Received **BRAVO** Award in recognition of excellent technical contribution
- Received excellent reviews during internship at Tata Research Development and Design Center
- **IBM Research Seventh Invention Plateau** Award for contribution towards Invention and Intellectual property

Educational Qualifications and Scholastic Achievements

- **Master's degree in Computer Science, degree expected 3/12**
Stanford University, Stanford, CA
Specialisation: Databases
I am pursuing a research study in Professor Monica Lam's group in the areas of decentralized social networks and data mining (<http://mobisocial.stanford.edu/musegroups>)
- **Bachelor's degree in Computer Engineering, GPA (8.8/10)**
Vishwakarma Institute of Technology, University of Pune,
Class Rank (6/130)
Coursework included Strength of Design and Analysis of Algorithms, Data Structures, Databases, Computer Organisation ,Programming Languages, Operating Systems, Software Engineering among others

Achievements:

- Received Scholarship for Academic Excellence throughout 4 years of Engineering
- Top-five in Computer Science department during under grad. studies
- School Topper through out the academics.

Work experience

Stanford University

(September 2010 – Present)

Title: Research Assistant

- Implementing the front end / uncertainty module for the Stanford Geostatistical Modeling Software (SgeMS) using C++ , QT
<http://sgems.sourceforge.net/>

IBM Software Labs

(December 2007 to Aug 2010)

Title: DB2 Advance Support Analyst

Technical skills: DB2 UDB, AIX, UNIX, SQL, C,Java

Responsibilities:

- Resolve critical production down issues that directly affect lines of business.
- Understand complex customer database environments.
- Create technical documentation around best practices (white papers, tech notes).

Responsibilities:

- Evaluating disclosures and development of intellectual property by **Guiding new inventors**

Teaching Experience

Visiting Faculty Computer Engineering Department, Smt. Kashibai Navale College of Engineering:

Database Management Systems (DBMS)

(May 2009 to June 2010)

- Created and graded problem sets and exams, ran weekly review section
- Helped with logistics for new course introducing semantics, design, and implementation of practical assignments

Research Internship

Research Intern at Tata Research Design and Development Center

(June 2006 to April 2007)

I worked in the Software Innovation Lab and developed a suite of tools for data generation, test automation, database migration.

This was implemented within Testify Framework <http://www.tcs-trddc.com/tools-language-processing.htm>

Patent Applications

During my tenure at IBM I have applied for 28 patents in the USPTO (as of Aug '10) .I have primarily investigated in the areas of Databases , Pervasive / Ubiquitous computing as well as Social computing

Papers and Publications

- “*FLEXI: A Toolkit for Malleable Web Sites*” published in Proceedings of *IEEE International Conference on Computing, Communication and Networking* , - <http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=4787748&isnumber=4787659>
- “*Agile Disk Replacement Strategy for Data Cloud Environment Using Evolutionary Algorithms*” accepted at DSDE 2010 <http://www.computer.org/portal/web/csdl/doi/10.1109/DSDE.2010.39>
- “*Tactical Asset Allocation In A Stock Market Using Evolutionary Algorithms*” Published in Proceedings of International Conference of Data Management
- “*Navigating Partial Observable Problem Space In Web Services Environments To Compose Business Processes*” , proceedings of 2nd National Conference on Emerging Trends In IT , this got the **Best Research Paper** award
- “*Multilayered Feed Forward Neural Network For Cloud Classification*” selected at SEDSIC-07 , an international conference http://wiki.seds.org/images/7/73/SEDSIC2007_Paper_C_Abstract_13.pdf

Tutorials

1) Configure high availability DB2 for Linux, UNIX, and Windows clusters on virtual machines using Xen and Heartbeat : www.ibm.com/developerworks/data/library/techarticle/dm-0812mathew/

2) Building dynamic Web page applications using PHP and IBM solidDB
www.ibm.com/developerworks/data/library/techarticle/dm-0901nagpal/index.html

3)Integrating IBM Mashup Center and IBM Cognos:<http://www.ibm.com/developerworks/data/library/cognos/page466.html>

Key Extra Curricular Achievements, Interests & Hobbies

- I am an enterprising entrepreneur and I was instrumental in helping my college peers and professors in a startup – TechSun , which deals in products related to Solar energy. This startup was recognized as the best start up venture at CONQUEST -organized by SAP an international business plan event .
- 18th in Maharashtra Talent Search
- Prizes in several G.K Quizzes, Sports Quizzes, Science Project exhibitions