Bhaskar Pratap

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Education

M.S. CS   University of Wisconsin, Madison   *Aug 2013 – May 2015*
Master of Science in Computer Sciences   *(Projected)*

B.E. CS   Birla Institute of Technology and Science (BITS), Pilani , India   *2005 - 2009*
Bachelor of Engineering (Hons.) in Computer Science   (CGPA – **9.28**/10.00)

Relevant Courses

Bachelors	**Masters**
Data Structures & Algorithms	Topics in Database Management Systems (Fall 2013)
Operating Systems	Advanced Topics in Database Systems (Fall 2013)
Computer Networks	Advanced Operating Systems (Spring 2014)
Advanced Computer Organization	Distributed Systems (Spring 2014)
Database Systems	Advanced Algorithms & Data Structures (Spring 2014)

Work Experience

Research Assistant *(to Prof. Barton P. Miller)* **University of Wisconsin, Madison**   *Aug 2013 – Onwards*
- Working on a project for vulnerability analysis of software packages.
- Build a framework for efficient integration of vulnerability reports.

Technology Division   **Morgan Stanley, India**   *2010 - 2013*
Manager *(Technology)*   *Jan 2012 – July 2013*
Senior Associate *(Technology)*   *Jan 2011 – Dec 2011*
Associate *(Technology)*   *Jan 2010 – Dec 2010*
- Worked on projects for building large and efficient Data Warehouses and Data Marts for Market Risk domain, processing and storing billions of records on a daily basis.
- Re-architected data model for Scenarios System to scale it to load and store 5B+ records, introduced parallelism in the load process.
- Worked on data model for Cross Asset class data warehouse capable to store data from several systems and answer query efficiently despite of high data volume.
- Developed OLAP cubes and Excel Plug-In for ad-hoc business report generation.
- Worked on pilot project to introduce in-memory data visualization tool (Qlikview) for Risk reports.

Research Intern   **Yahoo! Labs, India**   *Jan 2009 – June 2009*
- Developed a framework for extraction of structured information such as Address and Hour of Operation blobs from web pages.
- Built a Keyword Suggestion Tool to suggest keywords based on hierarchical data such as shopping categories.

Software Development Intern   **NEC Technologies India Ltd., India**   *May 2008 – July 2008*
- Developed tools for Conformance and Performance Testing of Routing Protocol.

Software Development Intern   **Accenture, India**   *May 2007 – July 2007*
- Developed a knowledge share website for Products Division.

Programming Skills

Languages	Java, C, C++, C#, SQL, PL/SQL, Perl, Shell Script, HTML, XML
Databases	DB2, MySQL
Tools/Applications	Informatica, Microsoft Analytical Services (MSAS), Qlikview (Data exploration tool), Eclipse, Visual Studio, Autosys
Platforms	Linux, Windows

Awards and Achievements

- **Successive promotions** during the stint at **Morgan Stanley**
- Among **city toppers** in School Board examination.
- Received **DISTINCTION** during all years of academic life.
- Awarded **Gold Medal** in National Science Olympiad, 2004.
- Received **Silver Medal** in each Individual & Group Event at **International Young Mathematician Convention**.
- Received **meritorious position** in Maths Olympiad and Chemistry Olympiads in the years 2001, 2002 & 2004 conducted by **Talent Search Institute.**
- Received third prize in **International Robotics competition** (MACFAIR International).
- Received **Silver Merit Certificate** in **National Cyber Olympiad**, 2002.
- Received prestigious **Merit cum Need Scholarship** during all 4 years at BITS, Pilani (2005 - 2009).
- Awarded **Certificate of Merit** in Code Olympics event in international technical festival QUARK'08.

Extra-curricular activities

- Completed a basic level course in **FRENCH** language.
- Worked in **hospitality committee** in international festival for Geography (GEOFEST) during the years 2003 and 2004.
- Membership of the **GLUG-G** (GNU Linux User Group – Goa) group.
- Worked as a **volunteer to educate poor children** who cannot afford school (Abhigyan Project, Goa, India).
- Worked on **fund raising campaign** for the benefit of people with disabilities and under privileged children with Bhawani EDNL & Children Care Society (BECSS).
- Was an active member of **sapling plantation group** (Hariyali), Mumbai, India.