

# Radhesh Gupta

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## EDUCATION

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New York University, New York, NY Jan 2012  
MS in Computer Science, Courant Institute of Mathematical Sciences GPA: 3.8/4  
Coursework: Advanced Database Systems, Open Source Tools, Analysis of Algorithms  
National Institute of Technology Karnataka (NITK), Surathkal, India July 2008  
Bachelor of Technology, Electrical & Electronics Engineering GPA: 3.7/4

## PROFESSIONAL EXPERIENCE

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Product Developer, HealthcareMagic.com (a startup funded by Accel Partners), Bangalore, India Apr 10 – July 10

Technology Development Lead

- Migrated Lucene based search to Solr based enterprise search resulting in optimized, scalable & advanced searching
- Developed Business Reports by analyzing products structure & database design – reports were very handy for analyzing business flow
- Designed SEO(Search Engine Optimization) Tracker Tool to keep track of page ranks and relevant information of user listed websites on various search engines. SEO Tracker was very useful to track the SEO performance and pace of the competitors
- Translated business needs into technical requirements – appreciation for innovative solutions and independent execution

Web Development Lead

- Developed employee health record portals– earned client appreciation for data intensive reports [Clients: HSBC, McAfee]
- Implemented several product features in Java technologies – system used by 30000+ unique visitors/day
- Led technology team recruitment and mentored multiple interns to facilitate expansion of competent team

Development Engineer, Aditi Technologies, Bangalore, India Jan 09 – Apr 10

- Developed an intermediate IRC-Proxy server for MindAlign, an enterprise Group-Chat application – reverse engineered the architecture and the algorithms used- managed all testing phases (using JUnit) for the product life cycle [Client: UBS AG]
- Designed a generic retail framework for online shopping experience from a mobile device (BlackBerry, iPhone) along with a web server using Java, XML's and Apache Axis – excellent remarks for independent end to end execution
- Built a car pooling web-portal using .NET and Sql Server – applied object oriented, MVC design patterns for effective architecture

IT Intern, International Institute of Information and Technology (IIIT), Hyderabad, India May 07 - Jun 07

- Extended Mozilla Firefox's support for four Indian fonts – developed a JAVA-API for transcription of Indic-language scripts to UNICODE standard – an Open-source contribution

## Teaching Assistant

Basic Algorithms (Fall 2010, NYU), Introduction to Computer Prog.: JAVA (Fall 2010, NYU), Algorithms and Data Structures (Fall 2006, NITK)

- Responsibilities include co-instructing the basic concepts, formulating and grading assignments and labs, assisting in projects

## ACADEMIC PROJECTS

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Distributed Database System (Java) Fall 2010

- Implemented a Multi Server DB System with Replication (Available Copies) and Concurrency Control (2-Phase Locking)
- Features include: support for Multi Version Read Consistency (RO Transactions) and Dead Lock Avoidance (Wait Die Protocol) along with Snapshot Isolation and Load Balancing

BestTheMash [<http://www.bestthemash.appspot.com>] (Python, Google App Engine) Fall 2010

- BestTheMash web-app provides a platform to discuss a topic, create custom events [invite friends, options, theme] & get user reviews

Statistical analysis of advanced data structures and standard algorithms and their graphical manifestation (Java, Swing, C) Fall 2006

- Analyzed the performance of advanced data structures and standard algorithms like Longest Common Subsequence - Designed a graphical interface to manifest the analyzed statistics

Grading-System Software and a Customizable Dictionary (Java, AWT, Oracle 9i) Spring 2006

- Designed a grading-system software for the department to calculate grades on different scales with other custom-make options
- The Dictionary application provided synchronous usability extensible for different languages and jargon as per the user's requirement

## SKILLS

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Languages/Technologies : Java, C++, C, Python, Shell, PHP, HTML, SQL, Servlets/ JSP, Struts, Hibernate, Java Script, .NET

Misc : XML, Web Services, JUnit, Lucene, Solr, Spring, Maven, MySQL, Oracle 9i,

Other Tools : Svn, CVS, Apache Tomcat, Eclipse, Microsoft Visual Studio, BlackBerry JDE

## AWARDS/ACTIVITIES

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- Co-founder of Sparsh Scholarship Foundation (a registered NGO initiative), [www.sparshnitk.org](http://www.sparshnitk.org)
- Volunteer – Open Source Web Initiative projects at the Liberty Science Center
- SUN Certified JAVA Programmer(SCJP) - Oracle Certified Associate PL/SQL Developer(OCA)
- Interests: Badminton, Social Entrepreneurship, Puzzles, Travelling, Blogging