

# 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

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 company funded by Accel Partners), Bangalore, India

Apr 10 – July 10

#### Technology Development Lead

- Independently migrated Lucene based search to Solr based enterprise search resulting in optimized, scalable and advanced searching
- Developed Business Reports by analyzing products structure & database design – reports were very handy for analyzing business flow
- Redesigned 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

- Implemented several product features and modules in Java technologies – system used by 30000+ unique visitors/day
- Developed employee health record portal for corporate– earned client appreciation for data intensive reports [Clients: HSBC, McAfee]
- Headed 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 design patterns for effective architecture

### IT Intern, International Institute of Information and Technology (IIIT), Hyderabad, India

May 07 - Jun 07

- Extended Mozilla Firefox 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

- Extended Implemented a Multi Server DB System with Replication (Available Copies) and Concurrency Control (2-Phase Locking), with support for Multi Version Read Consistency (RO Transactions) and Dead Lock Avoidance (Wait Die Protocol) along with Snapshot Isolation and Load Balancing among various DB Servers using a name server

### 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, HTML, SQL, PLSQL, Servlets/ JSP, Struts, Hibernate, Java Script, .NET

**Misc** : XML, Web Services, JUnit, Lucene, Solr, Spring, Maven, Microsoft Visual Studio

**Other Tools** : Svn, CVS, Apache Tomcat, Eclipse, MySQL, Oracle 9i, 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

Website: <http://www.cims.nyu.edu/~rg1626/>