MONISHA SINGH

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EDUCATION

Northeastern University, Boston, MA
College of Computer and Information Science — September 2014 - Present
Candidate for a Master of Science in Computer Science — Expected graduation: May 2016
Related Courses: Parallel Data Processing, Managing Software Development, Program Design Paradigm, Data Mining Techniques — GPA: 3.9/4.0

R.T.M Nagpur University, Nagpur, India
Bachelor of Engineering in Computer Science — June 2013
Related Courses: Data Structures & Program Design in C, Database Management Systems, Design and Analysis of Algorithms, Operating Systems

TECHNICAL KNOWLEDGE

Languages:	C/C++, Java, PL/SQL, Python, Racket, Pig
Systems:	Windows 98/XP/7/8/10, Linux (Red Hat), Android
Software:	Eclipse, Visual Studio, NetBeans, PyCharm, DrRacket, InelliJ
Web:	Spring MVC, Amazon S3, Amazon EMR, HTML, JavaScript, CSS, Jasmine
Databases:	Oracle, Microsoft SQL Server, SQLite, MySQL, Access

WORK EXPERIENCE

Northeastern University, Boston, MA — September – December 2015
Graduate Teaching Assistant for Data Mining Techniques course

- Implemented data mining algorithms for student's assignment in Java.
- Conducted office hours to clarify doubts related to course, and assignments.
- Graded assignments, and provided feedback to students.

Amazon, Seattle, WA — May – August 2015
Software Development Intern

- Developed a new feature in the Prime Now application.
- Collaborated with the prime now ordering team to come up with the most efficient design.
- Conducted demos in front of ordering team, and product management team to improve quality of the feature.

Persistent Systems Ltd., Nagpur, India — June 2012 - March 2013
Project Trainee

- Developed a website for ordering food from city restaurants, even while travelling via trains.
- Collaborated with a team of six to work on the project.
- Designed and managed database tables using MySQL Workbench.

ACADEMIC PROJECTS

Airlines Project — September – December 2015
Northeastern University, Boston, MA

- Analyzed airlines performance over different years and routes, based on average delays for the last 20+ years.
- Implemented various map reduce techniques, such as secondary sort, grouping comparator, custom partitioner, replicated joins, per task tally, and pairs techniques.
- Analyzed the performance of pig and plain map reduce programs.

WHAM Application
Northeastern University, Boston, MA — September – December 2015

- Developed "what's happening around me" web application, to find events happening around the user.
- Collaborated with a team of five to develop the application using MEAN stack.
- Followed agile, and test driven development approach.