Janhavi Suresh Mahajan

143 Park Drive, #4, Boston, MA 02215 | mahajan.j@husky.neu.edu | (857) 800-4414
linkedin.com/in/janhavimahajan | Available: May – Dec 2016

EDUCATION

Northeastern University, Boston, MA — Sep 2015 – Sept 2017 (expected)
Candidate for a Master of Science in Computer Science — **GPA:4.0/4.0**
Related Courses: Fundamentals of Computer Networks, Program Design Paradigm, Algorithms, Web Development

University of Mumbai, Mumbai, India — August 2009 - June 2013
Bachelor of Computer Engineering — **GPA: 3.75/4.0**
Related Courses: Data Structures, Operating Systems, Database Management, Robotics and Artificial Intelligence, Soft Computing

TECHNICAL KNOWLEDGE

Languages: Java, Python, C, C++
Database: Sybase, Oracle 11g, MySQL, MongoDB
Web Technologies: HTML5, CSS3, JSP, AJAX, jQuery, JavaScript, AngularJS, Node.js, PHP
Frameworks: Spring 3.2, Struts 2.4
Additional: Powercenter 9.5, Subversion, GIT, Maven, CA (Job Management), Linux OS, Windows OS

WORK EXPERIENCE

Northeastern University, Boston, MA — January 2016 – present
Research Assistant for Prof Christo Wilson

- Researching and reverse engineering algorithms and the impact a candidate's data has on his/her ranking on various hiring portals

Master Assistant, CS 2800 – Logic and Computation — January 2016 - present

- Helping undergraduate students with their coursework, facilitate lab sessions and grade assignments

J.P. Morgan Chase, Mumbai, India — July 2013 – July 2015
Technology Analyst

- Migrated long running Sybase stored procedures into ETL workflows to optimize data processing and loading, improving performance by 270%
- Developed strategies to mitigate roughly 5000 security issues in a span of 3 weeks
- Designed modules in "Annual account review application" for generating ad-hoc reports based on various statistics and client requests using JSP and Java

ACADEMIC PROJECTS

Northeastern University, Boston, MA
Raw Sockets (Python) — December 2015

- Rebuilt the TCP/IP stack for an operating system by creating TCP and IP header from scratch and implemented important TCP features

Web Crawler (Python) — October 2015

- Designed a web crawler that traverses a website consisting of approximately 2500 URLs to find 5 secret flags stored randomly on the website. Constructed raw HTTP requests after analyzing the HTTP packet structure

University of Mumbai, Mumbai, India
Adaptive Batching policy in Distributed environment (Java) — May 2013

- Developed a caching algorithm for a video-on-demand distributed system. It improved the performance when applied with adaptive batching algorithm thereby enhancing response time by 20-25%