

Sneha Gaikwad

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EDUCATION

Northeastern University, Boston, MA

College of Computer and Information Science

Sep 2014 – Present

Candidate for a Master of Science in Computer Science, Expected Jul 2016

GPA: 4/4

Related Courses: Program Design Paradigm, Algorithms, Information Retrieval, Web Development,
Parallel Data Processing in MapReduce, Database Management Systems,
Managing Software Development

VESIT, University of Mumbai, Mumbai, India

Jun 2005 – Jun 2009

Bachelor of Engineering in Information Technology

GPA: 70%

Related Courses: Data Structures, Object Oriented Analysis and Design, Data Warehousing and Mining,
Operating Systems, Database Management Systems.

TECHNICAL SKILLS

Languages: Java, Linux Shell Scripting, Perl, Python, ASP.net, C#, SQL and PL/SQL
Operating Systems: Windows, Linux and Mac
Frameworks & Database: Oracle, MySQL, SQL Server and Hadoop
Web Technologies: HTML5, CSS, JSON, XML, Bootstrap, NodeJS, AngularJS, JQuery and JavaScript
Certifications: Oracle Database SQL Certified Expert – 1Z0-047

WORK EXPERIENCE

Intel, Oregon, USA: Software Intern Graduate Level

Jun 2015 – Dec 2015

- **Resource Forecasting:** Developed a resource forecasting web portal to predict the amount of resources required for projects for the upcoming quarters based on past utilization data using Perl, JavaScript and MySQL.
- **Disk Allocation:** Refactored disk allocation system to make it a general and extendable product with the addition of new features to reduce manual administrative intervention using Perl and MySQL.

Tata Consultancy Services, India: Software Developer

Nov 2009 – Jul 2014

- Developed an automated reporting application for a leading bank. It involved designing database schema for the tool, developing PL/SQL procedures and functions and writing Shell scripts to generate and display business reports.
- Developed complex PL/SQL procedures and functions, C and Java transactions responsible for communication between SOAP transactions and database. The module was responsible for generating automated voice patterns for IVR (Interactive Voice Response) to service phone banking customers.
- Developed web pages for a stock exchange to display market data trends as graphs and tables using Perl-CGI and PHP and integrated these pages into the existing web portal. The data was fetched from Asset Control tool and processed as per business requirements using Perl Script.
- Worked on three projects simultaneously as a technical lead and developer and delivered them on time. Appreciated by the client and the management for my efforts.

SELECTED ACADEMIC PROJECTS

PageTurner website (Northeastern University)

HTML5, bootstrap, NodeJS, AngularJS, JQuery

- Developing a book portal for users to browse books, add them to their bookshelf, write reviews and rate them and follow other users. The website will also post an editorial article, books of the month and chosen articles submitted by the users.

MBTA – Group Orders and Field Trips (Northeastern University)

ASP.net, C#, SQL Server 2008

- Working on incorporating Group Orders and Field Trip Orders to the existing Pass Programs offered by the Massachusetts Bay Transportation Authority (MBTA). Automating the existing process end-to-end.

Predicting Airline Delay (Northeastern University)

Java, Hadoop

- Built a model by analyzing a large trove of data (about 15GB) to predict airline delays using Hadoop parallel processing, implemented in Java and used it to predict delays with 70% accuracy.

Vertical Search Engine (Northeastern University)

Python

- Implemented vertical search engine using ElasticSearch. Developed a web crawler using Python, collected the documents, indexed them and implemented search using ElasticSearch.

Data De-duplication (VESIT)

ASP.net, C#, SQL Server 2008

- Merged two sets of a large number of records, found the level of duplication between the records of each set and eliminated duplicate records using Record-Linkage algorithm using ASP.net, C# and SQL server 2008.