Sneha Gaikwad

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EDUCATION

NORTHEASTERN UNIVERSITY, Boston MA   M.S. Computer Science   **Sep 2014 - Present**

Courses: Algorithms, Parallel Data Processing, Web Development, Information Retrieval,   GPA 4.0
     Managing Software Development, Database Management Systems, Program Design Paradigm

VESIT, UNIVERSITY OF MUMBAI, India   B.E. Information Technology   **Jun 2005 - May 2009**

Courses: Data Structures, Object Oriented Analysis and Design, Software Engineering, Data Mining

TECHNICAL SKILLS

Programming Languages:	Java, Linux Shell Scripting, Perl, Python, ASP.NET, C#, SQL and PL/SQL
Web Technologies:	HTML5, Bootstrap, jQuery, CSS, JavaScript, MEAN Stack, JSON, XML, REST
Operating Systems:	Windows, Linux and Mac
Databases & Frameworks:	MySQL, MS-SQL, Oracle DB, MongoDB and Hadoop
Certifications:	Oracle Database SQL Certified Expert – 1Z0-047

WORK EXPERIENCE

Intel, Oregon, USA: Software Intern Graduate Level   **Jun 2015 - Dec 2015**

Resource Forecasting   *Perl, JavaScript, MySQL*

- Designed and developed a web portal to forecast disk and compute resources for teams based on their past utilization of resources
- Designed and developed algorithms to mine through the past 3-4 years of usage data and collect current usage of resources

Disk Allocation   *Perl, MySQL*

- Enhanced the disk allocation tool by reorganizing it into new logical layers to improve extensibility, testability and robustness
- Implemented using Test Driven Development (TDD) process
- Improved the time efficiency by adding features to reduce manual administrative intervention

Tata Consultancy Services, India: Senior Software Developer   **Nov 2009 - Jul 2014**

- Designed and developed an interface to assist IVR (Interactive Voice Response) in generating automated voice patterns to service phone banking customers
- Performance tuned PL/SQL procedures and functions to improve the response time of services
- Played a crucial role in planning and creating an application to generate business reports using data worth of about a million calls per day
- Developed an online reporting tool for a stock exchange to display market data trends
- Collaborated with cross-functional teams through all phases of SDLC such as Design, Implementation, Testing and Deployment

PROJECTS

PAGETURNER: Website (Northeastern University)   *HTML5, bootstrap, NodeJS, AngularJS, JQuery, MongoDB*

- Designed, developed and implemented a web portal for users to find and share books they love using Google Books API
- Created a REST API for user data using the MEAN(MongoDB, ExpressJS, AngularJS, NodeJS) stack

MBTA – Group Orders (Northeastern University)   *ASP.NET, C#, SQL Server*

- Automated group ordering process for Massachusetts Bay Transportation Authority (MBTA)
- Implemented the entire process flow - from registering users and their orders on MBTA public website to approving the orders and managing them on MBTA internal web portal

PREDICTING AIRLINE DELAY (Northeastern University)   *Java, Hadoop*

- Built a prediction model by analyzing a large dataset (~ 15GB) to predict airline delays with 80% accuracy

INDEXER (Northeastern University)   *Python*

- Implemented an indexer to efficiently index a large collection of documents (~ 85,000) on local disk and on ElasticSearch platform

VERTICAL SEARCH ENGINE (Northeastern University)   *Python*

- Implemented a web crawler to crawl 12,000 unique URLs and constructed a document collection focused on a topic
- Used best first frontier management on every level, conformed to politeness policies, URL canonicalization and Calaca as a search UI for ElasticSearch search engine

RECORD DE-DUPLICATION (VESIT)   *ASP.NET, C#, SQL Server*

- Merged two sets of a large number of records, found the level of duplication and eliminated duplicate records based on a pre-defined threshold using Record-Linkage algorithm.