NASIR AHMED RAFFICK

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EDUCATION

Northeastern University, Boston, MA
Master of Science in Computer Science   **GPA**: 3.83/4.0   **Graduation***: December 2016
Graduate Teaching Assistant (Database Management Systems)
Related Courses: Human-Computer Interaction, Web Development, MapReduce, Information Retrieval, Database
                          Systems, Algorithms

Anna University, Chennai, India
Bachelors of Engineering in Computer Science and Engineering **GPA**: 8.51/10.0   April 2012

TECHNICAL SKILLS

Languages:	C/C++, Java, HTML, CSS, PHP, JavaScript, Racket, Apache Pig
Databases:	MySQL, MongoDB, Oracle
Operating Systems:	Windows, Linux
Software:	Eclipse, WebStorm, IntelliJ, Android Studio, Adobe Photoshop
Frameworks and Technologies:	JQuery, AngularJS, React, Redux, Node, Express, Bootstrap, Spring, Hibernate, Android, JSP, ElasticSearch, Hadoop, AWS EMR, Git, PassportJS, Maven, JIRA

WORK EXPERIENCE

Novartis Institutes for BioMedical Research (NIBR), Cambridge, MA   Jan 2016 - June 2016
Software Developer Co-op
- Built **RESTful** web services using **Spring**, **Apache CXF** and **Hibernate** to replace the existing slow desktop application that allows users to view and publish biological assays into database
- Pioneered the development of a web application using **React** and **Redux** to consume the built web services
- Worked in an **Agile, Scrum environment** that had scrum meetings, peer code review and test-driven approach
- Improved the time taken by several hours to analyze consistency in a portion of existing antibodies data provided by two different services by writing code using Spring to formulate a curation report

Freelance Web Application Developer (Al Banoosh Trading, Sharjah)   May 2014 - Oct 2014
- Created a **J2EE** full stack web-application, Stock Management System using Servlets, **MySQL**, JSP, jQuery, CSS
- Achieved data-integrity on a specific change in stock's attribute values by auto-updating other relevant values

Sedin Technologies, Chennai, India   May 2013 - May 2014
Software Engineer
- Chosen to work at the client's site, **Tech Mahindra Ltd.**, from among several candidates
- Performed customizations in the code for an Asset Management Tool (Maximo) built on **J2EE**
- Improved debugging time by 3 hours to find and fix errors efficiently by developing tools using Java

ACADEMIC PROJECTS

NORTHEASTERN UNIVERSITY, *College of Computer and Information Science,* Boston, MA
Traffic Buddies (MEAN Stack | Bootstrap | MongoDB)   May 2016 – June 2016
- Developed a mobile-friendly social web application using HTML5, AngularJS, Node, Express and MongoDB that allows users to post traffic information at a road location (http://webdev-rafficknasir.rhcloud.com/project/)
- Retrieved traffic information at a location posted by friends that falls in the route a user chooses to travel on
- Used Google Maps Direction, Place and Geolocation API Services for routes and location based information

Amazon Movies Review Analysis (Java | Hadoop | SparkSQL)   Nov 2015 – Dec 2015
- Developed a MapReduce program using Hadoop library to generate top K helpful reviewers from huge movie dataset provided by Amazon Product Advertising API
- Enhanced dataset by running MapReduce program that crawls over OMDB API for each existing amazon's movie record and joined the two datasets using SparkSQL to provide movie recommendations based on genre
- Built a web application using Servlets and JSP to programmatically create EMR cluster in AWS using AWS SDK and dynamically read files from the S3 storage

COURSERA PROJECT
Daily Selfie Mobile Application (Android | Java)   July 2015
- Developed an android application that serves as a reminder to take pictures at regular intervals of time
- Integrated the app with the built-in camera application
- Used Alarms and Broadcast Receivers Services to send notification to the users