PARAKH MAHAJAN

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EDUCATION

Northeastern University, Boston, MA *December, 2018*
Candidate for Master of Science in Information Systems
Relevant Courseworks :- Web Development Tools & Methods, Web Design/User Experience Engineering, Application Engineering & Development, Data Management and Database Design

Rajiv Gandhi Technical University, India *June, 2015*
Bachelor of Engineering in Electrical & Electronics Engineering

SKILLS

Programming Language	**:** Java, SQL
Web Technologies	**:** HTML5, CSS3, Javascript, Servlet, JSP, AJAX
Web Framework	**:** Bootstrap, Angular.JS, J2EE, JavaSwing, Spring MVC, Hibernate
Database	**:** MySQL
IDE	**:** NetBeans, MySQL WorkBench
Software	**:** Microsoft Word, Excel, PowerPoint

ACADEMIC PROJECTS

Relevant Experience:

Northeastern University, Boston, MA

Save Fuel-CarPool Website: *January-April 2017*

- Designed a web application for carpooling and garage services for members
- Developed using HTML5, CSS3, Bootstrap, JavaScript, jQuery, AngularJS, PHP and MySQL for data persistence
- Launched several packages and discounts for promoting save fuel initiative
- Used CSS grid system and media queries to make website mobile responsive

Car Rental *January-April 2017*

- Designed a Spring MVC application for planning carpool for your groups and can share car for pooling services
- Designed using STS IDE, Java, Hibernate, MySQL, Spring security, Hibernate validator
- Integrated Mail api for confirmation/rejection for carpool request
- Implemented Spring transaction with Hibernate ORM that coordinates transaction for java objects with MySQL

The Blood Supply System *September-December 2016*

- Developed a Java Swing framework that manages the overall flow of blood supply system right from donation to inventory management of blood products by implementing ecosystem model on the basis of singleton pattern
- Used dB4o for storing the generated data for data persistence
- Improved work queues and work request for effective communication between different organizations

Result: It prevented and alleviated human suffering in the face of emergency by mobilizing the power of volunteers and the generosity of donors

University Database Model *September-December 2016*

- Designed an Entity-Relationship model using Toad Data Modeler and normalized the data up to 3NF
- Developed database on MySQL platform using triggers, views, stored procedures, functions
- Enabled easy access of CRUD and ACID operations on various records
- Generated data reports including student GPA, number of seats available for a particular course, student account, revenue generated by all the departments and colleges, number of students in a department and college