Gurpreet Shah

75 St Alphonsus St, Boston, MA 02120 | (617) 642-6008 | shah.g@husky.neu.edu | linkedin.com/in/gurpreetshah

EDUCATION

Northeastern University, Boston, MA   Sept 2014 – Present
College of Computer and Information Science, GPA: 3.8/4.0   Expected Graduation: Aug. 2016
Candidate for Master of Science in Computer Science
Related Courses: Web Development, Information Retrieval, Foundations of Artificial Intelligence,
Algorithms, Data Mining, Managing Software Development, Programming Design Paradigms
Apeejay College of Engineering, Gurgaon, India   June 2011
Bachelor of Technology in Electronics & Communication
Related Courses: Fundamentals of Computers & Programming, Data Structures & Algorithms

TECHNICAL KNOWLEDGE

Programming Languages:	Java, Python, Racket (Lisp), C++, PL/SQL, R
Technologies:	AngularJS, NodeJS, ExpressJS, LessJS, Mongoose, JavaScript, HTML5, CSS3, JQuery
Databases:	MySQL, MongoDB
Certifications:	Programming in HTML5 & CSS3 (Microsoft Corp.), Programming in R (Johns Hopkins), Algorithms: Design & Analysis, Part 1 (Stanford), Artificial Intelligence (UC Berkeley)

WORK EXPERIENCE

Massachusetts Bay Transportation Authority, Boston, MA
    Masters Project   May 2016 - Present
- Handling discrepancies between the revenue generated at fare vending machines and revenue collected - the estimated impact in millions

Cartera Commerce, Inc., Lexington, MA
    Software Engineering Intern   May 2015 – Dec 2015
- Worked on Splender.com - a B2C website for cashbacks and rewards, which involved developing a multi layered web application using AngularJS, NodeJS, ExpressJS and MongoDB in an agile environment
- Developed Elasticsearch services for index management including bulk index creation, deletion and aliasing
- Implemented cash redemption service using PayPal RESTful APIs and address verification service using USPS API, worked on email service (Amazon SES) using bluebird promises
- Developed product details page, sign-up page, cashback eligibility and coupon sections using AngularJS and Bootstrap

Infosys Limited, Mysore, India
    Systems Engineer   May 2012 – Jun 2014
- Initiated and implemented a chart rendering functionality using Java and FusionCharts that translated millions of rows of real-time voltage and current readings into dynamic and interactive charts for analytics
- Developed UI pages using Bootstrap for a Netherlands based telecom client

ACADEMIC PROJECTS

Northeastern University, Boston, MA
    City Attractions (WanderMust) Web Application   Jan 2016 – Apr 2016
- Created a responsive web application using AngularJS, NodeJS, ExpressJS and MongoDB where users can view the points of interest in cities all over the world
- Utilized Google Places API to fetch the attractions, Instagram and Twitter API for the latest photos based on the attraction hashtag and Wikipedia to get the place summary
- Used PassportJS for user authentication and session management

    Song Recommendation System – Data Mining   Jan 2016 – Apr 2016
- Worked on Million Song Dataset to predict the number of times a user will listen to a song using collaborative filtering
- Implemented model-based, user-based and item-based collaborative filtering approaches using Python

    What's Happening Around Me Web Application   Aug 2015 – Dec 2015
- Created a web application where users can view events happening around their geolocation
- Utilized the Eventbrite API to fetch the event details using AngularJS, Java, MySQL and Jersey framework

    Web Crawler   Jan 2015 – Apr 2015
- Implemented a topical web crawler in Java to crawl and index HTML pages to the Elasticsearch server
- Evaluated the crawl results using ranking algorithms such as PageRank, HITS, Okapi, and BM25