PRACHI SHARMA

prachisharma.edu@gmail.com

Master of Science

Computer Science
Northeastern University, Seattle
2016 – 2018

Courses: **Algorithms, Advance Software Development, Web Application Development, Building Distributed Systems, Database Management System, Parallel Processing in MapReduce.**

Bachelor of Technology

Information Technology
Jaipur Engineering College & Research Center, Jaipur, India
2011 – 2015

Courses: ***Data Structure & Algorithms,*** **Programming in C++, Programming in JAVA, Software Project management, Operating Systems.**

Languages:
JavaScript, Java, TypeScript HTML5/CSS, *familiar with* C++ & Python

Web Technologies:
Angular, NodeJS, React, Bootstrap, Angular Material REST API.

Database:
MySQL, MongoDB, Hadoop, Hibernate.

Software/Services:
Amazon Web Services (RDS, EMR, ELB, EC2, S3), Git, Maven, Apache Tomcat, Heroku, JIRA.

WORK EXPERIENCE

Pacific Northwest National Lab.| Post Masters Research Assoc. | Jan 2019-Present

- Developing web-based tool to configure distributed energy resources across multiple buildings using *Angular, JavaScript, HTML/CSS, TypeScript*.
- Developing new features for Facility Cybersecurity Framework's web-based tool to help facility owners and operators better manage cybersecurity risks using *React, JavaScript, HTML/CSS*.

Teaching Assistant| Northeastern University | Sept 2017/2018 – Dec 2017/2018

Teaching assistant for CS5200 Database Management System. Assisted professor in assignment evaluation, helped student to understand DBMS concepts, conducted midterms.

J.K.Technosoft | Software Developer Intern | May 2014 - Aug 2014

Worked in a team to develop an application with *Oracle 9i* and *Oracle Developer Suit*. Our team used Agile approach to develop the system and developed application to report yearly rainfall and present them on graphs.

ACADEMIC PROJECT EXPERIENCE

The Food Truck Web | Northeastern University, Seattle | April 2018

- Developed a website to search food truck by its name, city, address, pin code using *JavaScript, NodeJS, ExpressJS, AngularJS, MongoDB, TypeScript.*
- Implement google maps to pin point the location of food truck on the website using *Google Maps API* and *Angular Google Maps.*

Northeastern University's Website | Northeastern University, Seattle |April 2018

- Developed Northeastern University's align program website/portal used by faculties, current student and prospective student.
- Implement features like login, register, number of students in specific course or grade, ratio of student based on gender, program, grades using *JAVA, Maven, Rest Web services, JAX-RS, jersey, Hibernate.*

Allot | Northeastern University, Seattle | Dec 2017

- Developed an android application to assign tasks and to keep track of work among collogues, mates etc. using *Android SDK, Android Developer Suit.*
- Implemented functionalities like Geofencing, Hamburger menu, Floating Action Buttons and Notifications using *Firebase*.

Transportation Data Analysis | Northeastern University, Seattle | April 2017

- Analyzed the US Department of Transportation's aviation dataset (2000-2008) to find the most reliable airlines between specific intervals of time (weeks, months, years) by building a comprehensive ranking system using metrics such as – average delay in arrival time, average delay in departure time, etc. using *MapReduce, Hadoop, HBase.*

Storemapp | Northeastern University, Seattle | Dec 2016

- Developed an interface for users to enable quick access to any desired product location across store layouts using *Image Mapping techniques, JSP, MySQL*.

Gesture Recognition | Jaipur Engineering College & Research Center | Dec 2015

- Developed a gesture recognition system using MATLAB. It consists of controlling Power Point presentation by hand gestures using concepts of complex mathematical theory, signal processing, data analysis, and programming design.