

PRACHI SHARMA

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Master of Science

Computer Science

Northeastern University, Seattle
2016 – 2018

Bachelor of Technology

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

Languages:

JavaScript

Java

TypeScript

HTML5

CSS

familiar with C++ & Python

Web Technologies:

React

Angular

NodeJS

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

WordPress

JIRA

WORK EXPERIENCE

Pacific Northwest National Laboratory | Research Associate | Jan 2019

- TRAC: Frontend Developer for Tracking Restoration and Closure project, sponsored by US Department of energy to provide interactive maps and data on nuclear waste sites, to show progress towards cleanup and closure of nuclear waste site using **React, JavaScript, HTML/CSS**.
- Tank Vapor: Frontend Developer for establishing an internal web based IH focused Tank Vapors Data Access and Visualization System module for Washington River Protection Solutions (WRPS) using **React, JavaScript, HTML/CSS**.
- Facility Cybersecurity Framework: Developed new features for web-based tool to help facility owners and operators better manage cybersecurity risks using **React, TypeScript, HTML/CSS**.

Northeastern University | Teacher's Assistant | Sept 2017/2018 – Dec 2017/2018

Teacher's 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 PROJECTS EXPERIENCE

The Food Truck Web | Northeastern University | 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**.
- **Links**: <https://github.com/PrachiSharmaCode/WebDevelopment/tree/master/project>
<https://webdev-prachisharmaproject.herokuapp.com/>

Northeastern University's Website | Northeastern University | 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 | Dec 2017

- Developed an android application to assign tasks and to keep track of work among colleagues, mates etc. using **Android SDK, Android Developer Suit**.
- Implemented functionalities like Geofencing, Hamburger menu, Floating Action Buttons and Notifications using **Firebase**.
- **Links**: <https://github.com/PrachiSharmaCode/ALLOT>

Transportation Data Analysis | Northeastern University | 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 | 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**.