

# Akshay Sadarangani

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## EDUCATION

**Northeastern University**, Boston, MA

December 2018

*Master of Science in Computer Science*

GPA: 3.17

Relevant Courses: Algorithms, Web Development, DBMS, Managing Software Development, Mobile Application Development

**Christ University**, Bangalore, India

May 2014

*Bachelor of Computer Application*

GPA: 3.72

Relevant Courses: Software Engineering, Database Management Systems, Data Structures, Analysis and Design of Algorithms

## EXPERIENCE

**Jumpstart, Boston, USA**

August 2018 – December 2018

Student Ambassador for Jumpstart at Northeastern University

**VMware, Bangalore, India**

July 2014 – May 2016

Analyst and Web Developer

- Developed and supported MS SharePoint based web applications used company-wide by 20,000+ employees
- Automated existing manual and tedious processes using VBA macros and reduced process time by 75%
- Received the *Go Getter Award – H2 2015* for engineering a reward-based website for the Worldwide Biz Ops team

## PROJECTS AND HACKATHONS (CLICK TO FOLLOW)

**news-map.io** 📄 | [hackNY 2018](#) | September 2018

- Hacked a web app that aggregates different news sources using Python on a map built with deck-gl and D3.js to provide users with the ability to recognize location-based trends in current events and does a sentiment analysis on each article using IBM Watson NLU to categorize each source's view and help users recognize bias and prevent misinformation

**Autometa** 📄 | August 2018

- Created an Android app to provide an automated geo-based reminder and SMS service. Users entering within the radius of a chosen location or location category will automatically 'trigger' the selected action after a 60 second timer

**UniChat** 📄 | Northeastern University | April 2018

- Developed a MEAN stack platform that lets users chat with each other in 15 languages. Messages are translated using IBM Watson Language Translator and have associated positive/neutral/negative sentiment to give a better sense of the translations. Sentiment analysis is done using IBM Watson Natural Language Understanding

**Information Retrieval System** 📄 | Northeastern University | December 2017

- Hypothesized the retrieval effectiveness of BM25, TF-IDF, Lucene and Smoothed Query Likelihood Model as retrieval models for a search engine with multiple running parameters using Python

**Tabbd** 📄 | August 2017

- Innovated a bundled Android app and Google Chrome extension that syncs links between phone and PC in real-time using Google Firebase providing option to open individual links or open all in separate tabs

**Infographer** 📄 | Northeastern University | April 2017

- Built a RESTful MEAN stack web app enabling users to create, save, print and share infographics. Provides backgrounds, text, shapes plus custom images from Flickr or file upload. Supports Google, Facebook and email sign up with recovery using Twilio SMS. Save as PDF to Desktop/Dropbox/Google Drive, share on Facebook as static URL or print it

**Eventor** 📄 | HackNEU 2017 | February 2017

- Hacked a web app in 24 hours using HTML, CSS and JavaScript providing a simple Google Map view of best matched events around users or their set location using Eventbrite API and filters set by them

## TECHNICAL SKILLS

Primary Languages: Java, JavaScript, SQL

Technologies: HTML, jQuery, CSS, Express.js, AngularJS, Node.js, Spring, JDBC, Jenkins, JUnit, SonarQube

Cloud Platforms: AWS, Heroku, Google Cloud

Databases: MySQL, Oracle, SQLite, MongoDB, RDS

## LEADERSHIP EXPERIENCE

- Volunteered to help a non-profit organization to port their native web system to an AngularJS frontend (Summer 2018)
- Appointed Single Point of Contact at VMware for transition of MS SharePoint from version 2007 to 2013 for 5+ teams
- Headed international project collaboration of 100+ students with University of Applied Sciences FHWS, Germany
- Elected University Placement Representative and University Student Council Representative during undergrad