

# Akshay Sadarangani

☎ 857-400-6844 🌐 <https://akshaysadarangani.com> ✉ [akshay.sadarangani@gmail.com](mailto:akshay.sadarangani@gmail.com) 📱 aksh4y 📄 Akshay Sadarangani

Available full time starting January 2019

## EDUCATION

**Northeastern University**, Boston, MA

September 2016 - Present

**College of Computer and Information Science**

Expected graduation: December 2018

*Candidate for a Master of Science in Computer Science*

GPA: 3.05

Relevant Courses: Algorithms, Web Dev, Program Design Paradigm, Information Retrieval, 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

## TECHNICAL SKILLS

Primary Languages: Java, JavaScript, SQL

Web Technologies: HTML, jQuery, CSS, MongoDB, Express.js, Angular, Node.js, Spring, JDBC

Cloud Platforms: AWS, Heroku

Database: MySQL, NoSQL

## EXPERIENCE

**Northeastern University, Boston**

August 2018 – Present

Jumpstart Student Ambassador

**VMware, Bangalore, India**

July 2014 – May 2016

Analyst, Project Management Office

- Developed and supported MS SharePoint based web applications used company-wide daily
- Automated existing manual and tedious processes using VBA macros and improved efficiency by 75%
- Received the *Go Getter Award – H2 2015* for engineering a reward-based website for the Worldwide Biz Ops team

## RESEARCH AND PROJECTS (CLICK TO FOLLOW)

**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

**Predicting Movie Ratings Using IMDb Dataset** 📄 | Northeastern University | December 2016

- Analyzed and compared the efficiency of 4 different machine learning Python algorithms in a research paper – SVM, Random Forest, Decision Trees and Naïve Bayes using evaluation metrics. The data of 5000+ movies was split into training data and testing data in an 80:20 ratio

## LEADERSHIP EXPERIENCE

- Dedicated 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