Akshay Sadarangani

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

Christ University, Bangalore, India   May 2014
Bachelor of Computer Application
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

WORK EXPERIENCE

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 website for the Worldwide Business 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 chat platform that lets users chat with each other in 15 different 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 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

DCleaner ⬏ **|** June 2017

- Devised a Google Chrome extension to clean deleted, canceled and failed files from download history at the click of a button. The app automatically shows a badge with the number of deleted and failed files existing in the user's history

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 for global transition of MS SharePoint from version 2007 to 2013 for 5+ global teams
- Headed international project collaboration of 100+ students with University of Applied Sciences FHWS, Germany
- Elected University Placement Representative and University Student Council Representative