ANVITA SURAPANENI

Boston, MA 02115 | surapaneni.a@husky.neu.edu| 857-272-2564| http://www.linkedin.com/in/anvitasurapaneni
http://webdevspring2016-surapanenianvita.rhcloud.com| https://github.com/anvitasurapaneni

Available: Jan – Aug 2017

EDUCATION

Northeastern University, Boston, MA — Sept 2015-present
College of Computer and Information Science

Candidate for Masters in Computer Science — Expected graduation: Dec 2017

Related Courses: Fundamentals of Database Management, Algorithms, Web Development, Information Retrieval Managing Software development, Parallel Data Processing with MapReduce.

GITAM University, Hyderabad, India — July 2011-June 2015
Bachelor of Engineering in Computer Science

Related Courses: Database Management System, Web Technologies, Data Structures , Data Mining.

TECHNICAL KNOWLEDGE

Programming Languages:	Java, C, C++ , AngularJS, Node.js, Passportjs, JavaScript, XML, Racket.
Databases:	SQL Server, MySQL, Oracle, Microsoft Access, MongoDB.
IDE:	NetBeans, Eclipse, WebStorm.
Tools/Frame-works:	Bootstrap, Knockout.JS, REST API Services, Hadoop, Elasticsearh, LibLinear, Weka, Git.
Web Technologies:	HTML5, CSS3, JSP, PHP, JSON, jQuery.
Operating Systems:	UNIX, Windows (2000/XP/VISTA/7/8/10), OS X.

WORK-EXPERIENCE

Cyient Limited, Hyderabad, India — May-July 2014
Software Engineer Intern

- Developed a Web Application "Holiday Planner" using technologies such as HTML, CSS, jQuery, JavaScript, Java Servlets, JSP, JDBC, Oracle Database and Bootstrap.

Incessant Technologies, Hyderabad, India — May-June 2013
Software Engineer Intern

- Developed a web-based project "Training and Placement Cell", which provides a platform for students, faculty and recruiters to look for jobs or potential employees using HTML, CSS, JavaScript, JSP, MySQL.
- Developed the UI for the company website using HTML and CSS.

ACADEMIC PROJECTS

Northeastern University, Boston, MA

Map Reduce Projects(Java). — Sept 2016-Present

- Implemented a multi-thread approach for extracting temperature from weather data and calculate average temperature for each station. Used Synchronized methods to lock resources and make only the required field to be available for write operations.
- *Used Map Reduce to calculate average Max-temperature and Min-temperature for a given weather data per given station per particular year. Experimented with using different approaches like Combiners, Simple Map Reduce Implementation, partitioners and analyses the performances.*

***Information Retrieval Projects* (Java).** — Apr-Aug 2016

- Developed a web-crawler using java which crawls twenty thousand links and merged results from four systems into Elastic Search.
- Implemented PageRank algorithm on the web pages and retrieved highly relevant pages and calculated Hubs and Authority scores.
- Trained a learning algorithm using LibLinear, Weka and developed a spam-mail classifier.
- Developed a topic-based clustering method using vowpal_wabbit.

Note Space — Feb-Apr 2016

- Developed a Web Application to store text notes, photos, videos, to do lists, Google maps in a single note, organize them into note books and share them with other users.
- Used MEAN Stack, REST API Services, Bootstrap and third-party APIs- YouTube player API, Google Maps Embed API.