ANVITA SURAPANENI

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Available: Jan – Aug 2017

EDUCATION

Northeastern University, Boston, MA   Sept 2015-present
College of Computer and Information Science   Expected graduation: Dec 2017

Candidate for Masters in Computer Science

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, Spark, 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, Jira.
Web Technologies:	HTML5, CSS3, JSP, PHP, JSON, jQuery.
Operating Systems:	UNIX, Windows (2000/XP/VISTA/7/8/10), OS X.
Testing Frameworks:	JUnit, Jasmine.
Cloud-computing platforms:	Amazon Web Services, OpenShift.

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.

ACADEMIC PROJECTS

Northeastern University, Boston, MA

Map Reduce Projects(Java).   Sept 2016-Present

• *Calculated average maximum and average minimum temperature recorded at a particular station during a year for a given weather data of several years. Used different approaches in MapReduce using combiners, partitioners, simple MapReduce and also non-MapReduce approach using multi-threading and synchronized methods in java to lock resources from getting updated faultily. Analyzed the performance of each approach.*

• *Implemented Page Rank algorithm for dataset of 8GB containing Wikipedia pages and extracted the top pages with high page rank.*

***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 for given documents using vowpal_wabbit and represented them in topic space.

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.