Rashmi Raghunandan

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EDUCATION

CARNEGIE MELLON UNIVERSITY, H. JOHN HEINZ III COLLEGE, PITTSBURGH, PA

Master of Information Systems Management- Business Intelligence and Data Analytics

PES INSTITUTE OF TECHNOLOGY, BANGALORE, INDIA

Bachelor of Engineering, Computer Science and Engineering

GPA: 9.2/10

COURSEWORK

TECHNOLOGY

Operating System, Big Data, Computer and Network Security, Unix System Programming, Database Management Systems, Computer Networks I & II, Computer Architecture & Organization, Web Technology I & II

ACADEMIC PROJECTS

AUTOMATED VIDEO SURVEILLANCE | INDEPENDENT STUDY| CLOUD AND BIG DATA RESEARCH

I developed an algorithm to assign an object a suspicious level based on the context of its appearance and make the machine self-learning with each occurrence of the object in real time. The object detection was performed in real time using the map reduce technique. The *Support Vector Machine Algorithm* using histogram features yielded 70% accuracy in object detection. The algorithm was implemented in both a single node and multi node environment.

MAP GRAPH API| BIG DATA RESEARCH

I studied the performance of Map graph, a parallel graph database that runs on a GPU and its comparison with other distributed graph databases such as Giraph and GofFish. I setup the GPU cluster and implemented and ran 10 algorithms for comparison.

WORK EXPERIENCE

IT ENGINEER | CISCO SYSTEMS INDIA PVT LTD | JULY 2015 TO JUNE 2016| INTERN: FEBRUARY 2015 –JUNE 2015

· I worked on implementation of the cloud consumption model over Cisco's ACI fabric. I was part of the orchestration team, working on IAAS (Infrastructure as a Service) with a primary concentration on compute and the team implementing the view of this consumption model. I was briefly also a part of the Services Everything Platform team, where I worked with technologies like Java, Cisco Process Orchestrator and Cisco Prime Service Catalog.

· I served as the Campus Engagement Lead for University Relations with PESIT.

· I Participated in Grace Hopper Conference Hackathon from October 2015 to December 2015. I won the third prize in *Techgig Geek Goddess* coding competition within Cisco. I Received appreciation for participation in various Corporate Social Responsibility events.

INTERN |IBM | MAY 2013-SEPTRMBER 2013

I worked on the IBM Pure Application Systems to develop e-commerce patterns (to deploy traditional Distributed applications written on IBM products like WebSphere Application Server, DB2 etc) and implement order management.

SKILLS

TECHNICAL

· Languages/Backend: Python, Java, C, Bash, PHP, HTML5, Java Script, Angular JS, CSS.SQL, Mongo DB, Node JS.

· Tools: Elastic Search, VMware VSphere, IBM WebSphere, Toad, Cisco Process Orchestrator, Rally.

· Others: Hadoop, Matlab, GIT, Puppet, Stackstorm (an open source orchestration environment), Ionic.

CERTIFICATION AND TRAININGS

Cisco White Belt Security Ninja Certificate, OpenStack Basics, Hadoop and Spark, Puppet Basics, Oracle Database Architecture, Angular JS

ACTIVITIES

· Cisco Connected Women Volunteer   March 2015 – June 2016

· Technical team volunteer, Cancer Society of India   October 2015 – June 2016

· Editor, Voice of S&H (PESIT science and Technology newsletter)   September 2011- May 2012

· Event Manager, Vithvara(2012), Science Fest, PESIT   February 2012 – March 2012

· Secretary for INTERACT (student body of ROTARY CLUB)   April 2008 - March 2009

· Editor, Innisfreeite (quarterly school newsletter)   April 2007- March 2008

· Participated in NASA Space Camp, Huntsville, Alabama   May 2006

· Winner in 9 hackathons and Participant in another 12 hackathons