Dushyanth Bookanakere Nagaraju

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Education

Masters of Science in Computer Science	Jan 2014 – Dec 2015
University of Florida, Gainesville, FL	GPA 3.57/4.00

Relevant Coursework Completed: Analysis of Algorithms, Database Management Systems, Machine Learning
Distributed Operating Systems, Advanced Data Structures, Math of Intelligent Systems, Computer Networks

Bachelor of Engineering in Computer Science	Aug 2006 – May 2010
PES College of Engineering College, Mandya, India	GPA 8/10

Work Experience

Research Assistant at University Of Florida   August 2014 – Present | *Gainesville, FL*

- Worked on Classifying Alzheimer's disease based on Complex graph measures and machine learning techniques.
- Currently working on structural analysis of operating room's organizational behavior and to predict the patient's outcome using graph techniques.
- Worked on various tools such as graph-tool, Gephi ,Rapidminer and Scikit-learn.

Systems Engineer at Infosys Ltd   Feb 2011 – Dec 2013 | *Mysore, India*

- Worked in Trade Finance (Finacle –Product of Infosys) which provide banks with provision of online transactions and trade business solutions.
- Designed and coded various Trade Finance menus.
- Worked on design and development of service tester which is an automation testing tool devised to check all boundary conditions, invalid data and business cases of system.
- Involved in testing and ticket fixing.

Technical Skills

- Programming Languages: Java, C, C++, Scala.
- Scripting Languages   :   JavaScript ,HTML , JSP , Python
- Database & others   :   SQL ,Unix , Linux, Scikit-learn, Rapidminer, gdb, graph-tool

Projects

Performance Evaluation of Binomial Heap and Leftist Tree: May 2014 - June 2014

- Implemented both of the Priority Queues which support merging in addition to insert and delete.

    Compared the performance of both the implementations on randomly generated input sequence.

Bitcoin Mining System: Aug 2014 - Sep 2014

- Designed a Distributed system to mine Bitcoins Using Scala and AKKA framework. The Server spreads work among   its clients. Client completes the task and sends back the results to server.

Bit Torrent: Mar 2014 – May 2014

- Implemented a P2P file sharing software similar to Bit Torrent protocol for file distribution.
    Implemented the chocking-unchocking mechanism

Gossip/Push Sum Protocol Implementation: Aug 2014 – Sep 2014

- Using Scala actors Implemented Gossip protocol on Line, 2D, Imperfect2D, Full topologies.
    Gossip Protocol is an efficient way to spread message in a Distributed Network.

Twitter Simulation: Oct 2014 - Nov2014

- Designed a distributed system that simulates twitter using Scala and the AKKA Actor Model.
    Development of Restful services using spray.

Awards

- On The Spot Award' for work in Trade Finance during Mar, 2012
- On The Spot Award' for work in Trade Finance during Nov, 2012
- Finacle Gem award for exceptional debugging skills Mar, 2013