Aishwarya Rajagopal

+1-586-738-5444 | arajagopal@gatech.edu | www.aishamatic.com
https://www.linkedin.com/in/aishwarya | https://github.com/aishwaryarajagopal

Education
M.S. in Computer Science, Georgia Institute of Technology, Atlanta (2014-2016)
B.E in Computer Science, Anna University, India (2006-2010) - 82.43%

Technical Skills
Programming	: Java, Python, Javascript, PHP, HTML, Perl, JSON
Frameworks/Tools	: Spring, Hibernate, Android, AWS, Broadleaf, Magento, Talend, Responsys, Github, SVN, Weka
Databases	: Oracle, MongoDB, SQLite, MySQL, XML, HDFS, Disco File System
Visualization tools	: d3.js, R, Fusion Charts, charts.js

Publication
Kanchana, R., Aishwarya Rajagopal, S. Kaavya, and R. Bakiyalakshmi. "Integration of XML databases by schema restructuring." In Data Engineering and Management, pp. 52-56. Springer Berlin Heidelberg, 2012.

Work Experience

➢ **Graduate Research Assistant and Student, Georgia Tech**   **Aug 2014 – Present**

1. **Currently working on C4G BLIS, an open source laboratory information system (PHP, MySQL)**
2. **Graduate Teaching Assistant for CS 4400 - Introduction to Database Systems in Fall '14.**
3. **Visualizing the Decision-Making process (d3.js, MongoDB, Python)**
   Directed research project under Dr. Alex Endert to visualize the user interactions in eCommerce websites and to understand the user's decision-making process in buying a product.
4. **StackOverflow Recommender Engine(d3.js, MySQL, Python – Disco Map Reduce framework)**
   Expert prediction, predicting turn-around times for questions and depicting trends in technology usage based on ~80gb of data dump from StackOverflow. Worked on data preprocessing and implementation of algorithms to predict experts and response times for a given question.
5. **GeneDive (d3.js, JSON, Python)**
   A visualization tool for use at Georgia Aquarium, that helps explore and compare mitochondrial genome sequences of different organisms. Worked as an equal contributor of a four member team during the design stages and implemented the linear gene exploration visualizations.

➢ **Project Lead, Lister Technologies Pvt. Ltd., India**   **July 2010 – July 2014**

1. **Emerge (MySQL, Spring, Hibernate, Fusion Charts, R, Broadleaf) - Vitacost**
   Description: An analytics tool that integrates eCommerce and eMarketing.
   Role: Designed and Developed APIs for the site, created customizable email campaigns and performed analytics on customer browse, purchase and demographic patterns for identifying targets in the email campaigns.
2. **RS-RI Integration (Oracle, Spring, Hibernate, Talend, Responsys platform) – Rosetta Stone**
   Role: Project planning, creating web services that can be consumed by eCommerce websites, migrating the data (in the order of terabytes) and email campaigns from RosettaStone and all its acquisitions to Responsys.
3. **Vaman – Oracle performance monitoring tool (Oracle, PHP, Fusion Charts)**
   Description: The tool monitors the health of oracle databases.
   Role: Design and development of front end pages and data modeling, automated monitoring of the health of Oracle databases based on parameters such as cache hit ratio, SGA/PGA usage, tablespace availability, redo/undo stats, PCT free/used, free list contention etc.
4. **Online readiness Index (Oracle, PHP, Fusion Charts)**
   Description: An analytics tool designed to simulate real world readiness of an e-commerce portal.
   Role: Design and development of frontend pages where users can configure indicators affecting an eCommerce site by giving a coverage value (between 0 and 10) and a weightage. Also worked on the algorithm to predict the dimensional and holistic readiness indexes for the website from the user configured values.
5. **Spraysmarter site migration (Magento)**
   Role: Migration of cart and purchase modules from Java (JSP pages) to PHP

Achievements and Certifications
- Oracle Certified Java Professional (OCJP), Oracle Certified Associate (OCA), Coursera certified Android developer and R programmer
- Oracle trainer and member of the recruitment panel at Lister
- Recipient of LISTAR award given to the best performer at Lister for the years 2011, 2012 and 2013