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| 2430 S Mill Avenue  #112, Tempe, AZ 85282 | **Aravind Thangavel** | (480) 417-0094  athanga1@asu.edu |

**Education**

Master’s in **Computer Science** at Arizona State University, Tempe, AZ May 2018

Bachelor of Engineering in **Computer Science** at PSG College of Technology, India GPA 8.1/10 May 2012

**Software Skills**

**Languages**: C, JAVA, C++, Python, SQL, Perl, Matlab

**Technology**: J2EE, Spring, Hibernate, Html, Ant, XML, XSLT, Tomcat, SmartGwt, SVN, Git, Maven, REST, SOA, Eclipse, IntelliJ.

**Operating System**: Linux (CentOS, Ubuntu, RHEL), Windows

**Work Experience**

**Senior Software Engineer,** Fiorano Software Pvt Ltd July 2012- July 2016

* Understood *Fiorano Enterprise Service Bus(ESB)* functionalities better with every enhancement and customer issue.
* Overhauled some of the interactions with the underlying *Fiorano Message Queueing System*, which lead to better overall performance of the product.
* Worked with Engineering Support team to diagnose and provide customers with the best possible solution.
* Reviewed and had productive discussions with my co-workers regarding their proposed solution and constantly coordinated with the other teams to understand their layer of the product better.
* Mentored juniors and guided them through our product’s working also motivated them to test the product thoroughly after every critical enhancement which ensured stability of the product.

**Intern**, Yahoo! Inc India January 2012 - June 2012

* Migrated *Datamart* (analytics software) while assuring the stability of the current Datamart.
* Discussed/Corresponded with various teams to understand the working of different modules of the Datamart tools.
* Migrating the AWACS tool as it is a challenging/important task as it querying software for the data warehouse. Received appreciation from a Senior manager for successfully migrating it.

**Technical Projects**

**Secure Banking System**, Arizona State University, Graduate Project Fall 2016

* Developed an end-to-end banking system with Spring, Java, Javascript and Ajax. Used Spring framework and SSL to secure our REST based web application. For data Persistence used MySql and to interact from business logic used JDBC.

**Ensemble Classification**, Arizona State University, Mini-Graduate Project Fall 2016

* Used multiple models such as SVM, KNN and ANN to train on the data set and then used the trained models to classify the test data. On combining the results, accuracy was more effective than any of individual classification models.

**Fiorano API and Analytics**, Fiorano Software Pvt Ltd March 2015 - January 2016

* Involved in developing *Fiorano API* which re-engineers the layer between Web Service and clients which is used to analyze various traffic between them.
* In addition to that incorporated security using the existing security module provided by *Fiorano Message Queueing System*, learnt the advantages of reusability.
* Integrated data analyzing modules with our product which was used by the customers to predict the future trends.

**Debugger for SOA Applications**,Fiorano Software Pvt Ltd July 2014 - February 2015

* Developed debugger which intercepts the flow of JMS messages and helps debug heterogeneous services, this saved a lot of time for the Support team when diagnosing the malfunctions in a business application.
* Introduced a roll-back mechanism with the debugger with the help of High Availability Service which will ensure the reliability of the message passing system. This was challenging as it needed understanding the roles of a JMS provider and the fundamentals of JMS.

**Datamart Migration**, Yahoo! Inc India  Spring 2012

* Worked on migrating the aggregation software from the FreeBSD to RHEL. The migration part was tedious as it involves porting the environment dependent modules and its pre-requisites which involves various of other teams.
* As a part of the migration project developed a Perl Interface which will support the existing API for the AWACS tool.

**Text Categorization**, Undergraduate Project, PSG College of Technology Spring 2011

* Interested in Machine Learning, did a project in Text Categorization using Naive Bayes theorem to classify documents.
* Studied the concept of decision trees and information gain ratio, which we used to classify the documents.

**Voluntary Activities**

* Volunteered for Graduate Student Concerns committee where we organize events which focus on addressing the challenges faced by grad students and encourage socializing among them.
* Organized ‘Code Cracker’ as a part of National Level Technical symposium, it had the highest participation to the date.