SUVANAM SAIKUMAR

saikumar.kumar08@gmail.com|4696557421

LinkedIn: suvanamsaikumar|GitHub: saikumarsuvanam|Website: saikumarsuvanam.github.io

Education:

THE UNIVERSITY OF TEXAS AT DALLAS, Richardson, Texas, USA   **GPA 3.819/4.0**

Master of Science in Computer Science   Jan 2016-Present

Coursework: Operating Systems, Machine Learning, Artificial Intelligence, Big Data Analytics, Natural Language Processing, Implementation of Advanced Data Structures, Database Design, Design and Analysis of Algorithms,Webprogramming Languages.

SRM UNIVERSITY, Chennai, Tamilnadu, INDIA   **GPA 8.5/10.0**

Bachelor of Technology in Electrical and Electronics and engineering   May 2008-April 2012

Work Experience:

Software Engineer Intern, BluAge Corporation, Dallas, TEXAS   Jan 2017-Aug 2017
- Worked on modernization of the Legacy Application code to Java using Spring Boot.
- Enhanced the features of the Accenture Life Insurance application using AngularJS, Bootstrap, HTML and CSS.
- Responsible for setting up continuous integration environment using Jenkins and SONARQube for code quality.

Software Engineer, Tata Consultancy Services, Hyderabad, INDIA   Dec 2012-Aug 2015
- Analyzed and developed various business logic components for the ICICI bank Intranet application using Spring Framework
- Developed the Role Based Access Control(RBAC) module to determine capabilities for each user.
- Involved in the development of DAO layer for the application using Hibernate framework support.
- Deployed Facade design pattern in service layer (Spring MVC) to integrate data from multiple sources.
- Supported QA team in all Test Cycles, analyzing and fixing the issues rose during QA/UAT testing.

Teaching Assistant, University of Texas at Dallas   August 2016-Dec 2016
- Evaluation and grading of assignments, projects for the Graduate courses.

Achievements:
- Received TCS on the Spot award for the remarkable contribution to the team in the project.
- Received SRM Merit based   scholarship for outstanding performance in intermediate education.

Computer Skills:

Programming : Core Java, Python, C.

Database and servers : My SQL, Oracle, PL/SQL, Apache Tomcat.

Web Technologies : HTML, CSS, JavaScript, JQuery, Ajax, XML, JSON, AngularJS, REST,SOAP.

Big Data ,ML,NLP Tools: Hadoop, Spark, Scikit learn, Pig, Hive, SparkMllib, NLTK, StanfordCoreNLP, Jupyter.

J2EE Technologies & Frameworks: Servlets, JSP, JDBC, Spring MVC.

Operating Systems, Software's, Tools: Windows, Linux, QTP,SVN, Eclipse, Jenkins, Jira, Maven.

Academic Projects:

Pacman-Artificial Intelligence (Python)   August 2016
- Implemented a series of Pacman projects to understand how Artificial Intelligence algorithms and heuristics can be used to enable a machine think and act like a human. This project covers techniques like informed state-space search, probabilistic inference, and reinforcement learning.

OnlineTechStore (PHP, MySQL, JQuery, HTML, CSS, and JavaScript)   June 2016
- Designed and developed a web based application which is used to buy online electronic gadgets and software's.
- Customers can sign up to the application, search for the required gadgets and buy any desired products.

BigData-DengAI: Predicting Disease Spread (Hadoop, Apache Spark, Mllib)   September 2017
- Analyzed the data for feature selection and developed a model to predict the number of dengue cases based on environmental variables.(https://www.drivendata.org/competitions/44/dengai-predicting-disease-spread).

Machine learning (Python,Scikit-learn)   July 2016
- Performed Exploratory Data Analysis on Kaggle-Haberman DataSet using Python.
- Developed a ML model for predicting the fault transactions on Credit Card Fraud Detection (Kaggle dataset).
- Applied different machine learning algorithms on Amazon-Food reviews dataset for predicting the rating of a given review.

Natural Language Processing (Python,Solr,NLTK, Stanford CoreNLP)   October 2017
- Developed semantic search in Solr with keyword based along with an improved strategy which uses NLP algorithms.

Implementation of Advanced Data Structures and Algorithms (Java)   November 2017
- Implemented *Tarjan Algorithm for Directed MST, Maximum Reward Collection Problem for given Constraints of a graph.*
- Designed *Multi-Dimensional Search on various Products efficiently using various data Structures* and also Big Integer class.
- Implemented 6 long projects and 8 short Projects as a part of Advanced data structures and algorithms course.
  (https://github.com/saikumarsuvanam/ImplementationofAdvancedDataStructures).