

SUVANAM SAIKUMAR

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Education:

UT DALLAS 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 Language:

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 Software Company, Dallas, TEXAS

Jan 2017-Aug 2017

Worked on modernization of the Legacy Application code to Java using Spring MVC.

Enhanced the features of the legacy application according to the requirements of the client.

Worked on frontend using AngularJS, HTML, CSS to develop the new Web pages.

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

Involved in the development of DAO layer for the application using Hibernate framework support.

Designed and developed new Webpages of the application using HTML, JavaScript and CSS.

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.

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).

Also Implemented 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>).

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, C++.

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

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

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