**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

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| **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 alsoBig 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>).