SAIKUMAR SUVANAM

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# EXPERIENCE:

## Software Engineer, Amazon, Seattle(USA), Bangalore(India) July 2018 – Present

* Redesigned the Shipping Engine components to empower Amazon sellers and the business team in customizing the business rules resulting in a 13% expansion in shipping region coverage worldwide.
* Reduced Whole Foods Market(WFM) operational cost and increased WFM catering orders by 18% using Amazon Lex Conversational agent and Amazon Bedrock FM(LLM) models.
* Designed a Weekly Sales Flyer on the Amazon Fresh Instore page, leading to an order conversion rate of up to 6% in the USA and reduced page latency by 42% API payload limit and through paginated APIs.
* Designed language matching APIs as part of I18N internationalization (IETF BCP47) enabling language-aware ads for third party advertisers resulted in increase of retail website traffic by 11%.
* To provide a fully localized shopping experience for the customers worldwide, developed a currency conversion model in real time for all programs (Prime, Zappos, retail) with less than 1ms latency.

## Software Engineer Intern, BluAge Corporation, Dallas Jan 2017 - July 2017

* Modernized and Optimized 20k LOC of the Legacy Application to MVC using Spring Boot(Java).
* Enhanced the features of the Accenture Life Insurance application using AngularJS, HTML and CSS.
* Responsible for setting up continuous integration environment using Jenkins and SonarQube for code quality.

## Teaching/Lab Assistant, University of Texas at Dallas Aug 2016 – Dec 2016

* Evaluating assignments and projects while teaching Java programming to undergraduate students.

**Software Engineer, Tata Consultancy Services, Hyderabad Dec 2012 - Aug 2015**

* Worked on various business logic components for the ICICI bank Web application using Spring MVC.
* Developed the credit risk rating System (5 C’s) for measuring the risk involved in the client transactions.
* Implemented RESTful Web services for different scoring models in Loan management module.
* Saved $15000 annually by presenting and implementing a POC for improving the attrition score.

### AWARDS AND ACHIEVEMENTS:

* Received the People's Choice Award at the Amazon Whole Foods Market Hackathon for introducing and implementing an in-store mapping feature at WFM, which significantly enhanced the shopping experience.
* Received TCS on the sport award for the remarkable contribution to the team in the project.
* Received SRM Merit based scholarship for outstanding performance in intermediate education.
* Published a paper in International Journal of Engineering Science and Technology ISSN : 0975-5462 Vol. 3.

# EDUCATION:

## University of Texas at Dallas, Richardson, TX May 2018

Masters in Computer Science **GPA-3.8/4.0**

Related Coursework**:** Design & Analysis of Algorithms, Operating Systems, Web programming, Database Design, Big Data & Analytics, Natural Language Processing, Machine Learning, Video Analytics, Artificial Intelligence.

## SRM University at Chennai, India. May 2012

Bachelor of Technology, Electrical and Electronics Engineering **GPA-8.5/10**

# PROJECTS:

**Big Data-Deng AI: Predicting Disease Spread** (*Hadoop, Apache Spark, Mllib*) **November 2017**

* Developed ML Pipeline model to predict the number of dengue cases based on environmental variables.

## Implementation of Advanced Data Structures and Algorithms (*Java*) October 2017

* Implemented Maximum Reward Collection under given Constraints on a large graph dataset.
* Designed Multi-Dimensional Search on various Products efficiently using various data Structures.

(<https://github.com/saikumarsuvanam/ImplementationofAdvancedDataStructures>)

**Natural Language Processing** (*Python, Solr, NLTK, Stanford Core NLP*) **September 2017**

* Developed semantic search in Solr with keyword based using deeper NLP techniques.

**Online Tech Store (***Spring, MySQL, JQuery, HTML, CSS, JavaScript*) **Nov 2016**

* Designed and developed a web based application which is used to buy online electronic gadgets. Customers can sign up to the application, search for the required gadgets and buy any desired products.

### TECHINICAL SKILLS:

* Programming Languages : Java, Python, R, C++, C.
* Cloud & Web Technologies : AWS, JavaScript, jQuery, AJAX, HTML, CSS, JSP, Node JS, RESTful WS.
* Web Application Frameworks : AngularJS, Spring MVC, Hibernate, Jersey,
* Databases & Servers : MySQL, DynamoDB, MongoDb (NoSQL), WebLogic, Tomcat.
* Big Data, Machine Learning, NLP : Apache Spark, Hadoop, Hive, MLlib, scikit-learn, NLTK, Solr.