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.

TECHNICAL 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.