



RAHUL SAI SAMINENI

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Education

University of Illinois at Chicago

Aug 2021 – Dec 2022

Master of Science in Computer Science; GPA: 3.6/4

Chicago, IL

Coursework: Computer Algorithms, Distributed Cloud Computing, Advanced Software Engineering

SASTRA University

Jul 2015 – Aug 2019

Bachelor of Technology in Information Technology

Thanjavur, India

Technical Skills

Programming Languages: Python, Java, C, HTML5/CSS3, JavaScript

Databases: SQL(MySQL, Oracle)

Technologies/Frameworks: Hadoop, MapReduce, Spark, Airflow, Kafka, NodeJS, AngularJS, ReactJS, Redux, Spring

Developer Tools: AWS(EC2, S3, EMR, EKS, SNS), Git, Docker, ServiceNow, WordPress

Experience

ENGAGE-IL

May 2022 - Present

Graduate Research Assistant

Chicago, IL

- Created a website using **WordPress** and Learning Modules using **LearnDash**.
- Implemented **User registration forms**, adding **Themes** to the website.
- Added and modified content to web pages using **HTML/CSS** and generating user reports.

Infosys Ltd.

Sep 2019 – Jul 2021

Systems Engineer

Hyderabad, India

- Developed the Service Portal and customized the widgets on the home page along with page re-directions using **ServiceNow**.
- Designed multiple Catalog Items, record procedures, and workflow for Requested Items.
- Performed a scheduled Job to auto-close the tickets that are in review state for 5 days, after the solution is proposed.
- Implemented User Registration form for Service Portal and customized it, so that user details go to the customer table instead of the user table.
- Performed Unit Testing for each user story and reduced the defect rate by approximately 60%.
- Conceptualized customer needs through requirement gathering and feature negotiations, built Pages and Catalogs to meet the client's requirements.

Infosys Ltd.

Jan 2019 – May 2021

Systems Engineer Intern

Mysore, India

- Designed a **Full stack web application** Tourism Website that helps customers to plan a vacation based on countries or continents provided core functionalities such as Wish-list, Discounts, Checkout, user authentication, and verification.
- Handled the front-end using **AngularJS**, **HTML5**, **CSS3**, and stored around **1000** customer's registration data and their tour packages in the database.

Projects

Log File Monitoring Alert System

Dec 2021

- Conducted a cloud flow application that processes log file contents as streams using the **Akka** actor system, **Kafka** streams, **Spark** streaming.
- Built the application as a docker image and deployed it in **AWS Kubernetes** service.

Data Classification of Log File Generator

Oct 2021

- Implemented Map Reduce jobs to consume and derive statistics from log files generated by Logback sl4j.
- Derived statistics based on different log levels and scanned the logs for specific messages using multiple mappers and reducers implementations over **10GB of log data**.
- Deployed the application on **AWS EMR** using **AWS S3**.

YouTube Comments Spam Classification

Dec 2021

- Resolved supervised classification problem to filter YouTube comments into spam or ham.
- 5 datasets composed of 1956 real messages extracted from 5 most watched videos were used to train the model.
- Used **Logistic regression**, **Support Vector Machine**, **Random Forest**, and **Gradient boosting** and achieved an accuracy of **97.3%**.

Certifications

- **ServiceNow Certified System Administrator**.