

SHIVA PRASAD REDDY KATTA

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Education:

University of Texas at Arlington, TX | Aug 2018 – Aug 2020

Master of Science in Computer Science(GPA 3.4)

Relevant Coursework: Web Data Management, Machine Learning, Neural Networks, Cloud Computing, Data Mining, Design and Analysis of Algorithms, Software Engineering and Principles

Technical Skills:

Java, Python, SQL, Spring, Spring Boot, HTML, CSS, JavaScript, Amazon Web Services, Angular, RESTful Web Services, Microservices, Docker, Karma, Junit, Mockito, nginx, Git, Microsoft Visual Studio, MySQL Workbench, Eclipse, IntelliJ, Linux.

Accomplishments/Projects:

Trucker

- Developed a microservice based REST application and deployed on AWS.
- REST end points were developed to ingest data from a mock sensor which pushes vehicle and weather data every minute.
- All the consumed data was stored in a MySQL database and when certain rules are triggered appropriate alerts were created.
- Configured Docker Swarm cluster on AWS VPC. Developed the ability to send notifications to the user using AWS SNS and SES when high alerts are triggered for a vehicle.

Full Stack To-do Management Application

- Developed a full stack To-do management application with login and logout functionalities using Angular and Spring Boot.
- Built and secured RESTful APIs with Spring Boot and Spring Security and solved the challenges of connecting Angular Frontend to it.
- Configured Basic Authentication and JWT using Spring Security and connected REST API to JPA/Hibernate.

Full Stack Web Application

- Built a web application which enables admin to create a job posting, and also, a form that enables an end user to submit the resume.
- Angular is used in the front end and for the application back end I used Spring MVC, Spring Boot, Java, and H2.
- Karma was used as a testing tool in the front end and as for the backend I used Postman.

Sentiment Analysis using Natural Language Processing

- Performed sentiment analysis on a large movie dataset using three different classification methods like Naïve Bayes, SVM, KNN and evaluated the results using confusion matrix
- Various Python libraries were used for data cleaning and features were extracted using Bag of Words and TF-IDF models.

Web Development Application – Say It Right

- Developed a web application using HTML5, CSS3, Java Script. Database used is MySQL.
- The validations of the pages are implemented using JavaScript and PHP.