

SAI SREE POTHIREDDY GARI

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Education

Master of Science, Information Systems

Northeastern University, Boston, MA

May 2024

- Coursework: Application Engineering & Development, Data Management and Database Design.

Bachelor of Engineering

RNS institute of technology, Bangalore, Karnataka

August 2021

- Relevant Coursework: Database Management Systems, Object Oriented Programming in Java, Machine Learning.

Technical Skills

Programming Languages: Java | Python | SQL | C++ | C | PHP.

Web Technologies/frameworks: Angular | JavaScript | Node JS | Spring Boot | Bootstrap | HTML5 | CSS3.

Tools and Libraries: Jenkins | MongoDB | MySQL | Oracle DB | Spark | Pandas | Scikit-learn | Erwin | Git | JDBC.

Work Experience

Associate Software Developer

August 2021 - August 2022

Empower Retirement, Bangalore, India

- Designed and implemented a new API to fetch financial data and render it on an application using Java and SQL queries resulting in a 60% improvement in application response time and reduced redundancy in code.
- Developed a feature of web application display data for previous five business days applying Angular, JavaScript concepts and along with pictorial representation, reduced traffic by 33% to website.
- Tested accuracy of code by implementing test cases using Mockito Framework and Junit to validate test data helped in debugging issues, resulting in code coverage of 82%.
- Responsible for building, integrating, and deploying new features of the application to AWS Dev, and Prod regions using Jenkins, and Harness and monitored through Rancher.
- Implemented Jil Script by updating existing jobs and monitored the status of jobs of applications supported by Autosys.

Projects

Full Stack Loan Application, Empower Retirement

June 2021

- Developed an end-to-end loan application app that contains a manager who monitors and approves applications submitted by both users and clerks from the dashboard of the app.
- Initiated functionalities from the front end built with HTML, and React JS. Java is used as a Backend language with help of Spring framework. The reflection of every operation on data is done with help of Rest APIs, with Oracle DB.

Lung Cancer Detection on CT images, RNS Institute of Technology

July 2019

- Led a team of five in, Detection of cancerous nodules by collecting and performing different functions on raw CT images. Created python median filter for image processing.
- Created a Machine Learning model Support Vector Machine to classify data, Confusion matrix is generated and analyzed for testing the efficiency of the model resulting in efficiency is 64%.

Online Ticket Booking System

March 2022

- Created an application for ticket booking in which customers can register, view services, timings, and request booking by entering the source and Destination.
- Developed admin portal in which admin can modify, view, approve, and edit the booking details.

Technical Training

Learner:

September 2022 - Present

AWS Certified Developer, Boston

- Analyzed How to deploy code to AWS with CI/CD pipelines, processes, Elastic Beanstalk, and patterns.
- Making authenticated calls to AWS services and performing encryption using AWS services.