Srinivas Kalagotla

573-810-1865 | kalagotla.srinivas07@gmail.com | GitHub | LinkedIn

PROFESSIONAL SUMMARY

Dynamic Software Engineer with 2+ years of hands-on experience in designing, planning, and maintaining software applications. Demonstrated expertise in delivering innovative tech solutions. Eager to leverage my problem-solving skills and technical knowledge to drive success in a challenging Software Engineer role.

EDUCATION

University of Missouri, Columbia   Columbia, MO
Master of Science in Computer Science, GPA: 3.84/4.0   Jan. 2022 – Dec. 2023
- Courses: Cloud Computing, Algorithms, Data Structures, Web Development, Big Data, Machine Learning.

CVR College of Engineering   Hyderabad, India
Bachelor of Technology in Electronics and Communication Engineering, GPA: 3.9/4.0   Aug. 2020

TECHNICAL SKILLS

Languages and Frameworks: Java, Python, SQL, Spring Boot, Spring MVC, Hibernate, C/C++.
Web Technologies: HTML5, CSS, JavaScript, React.js, Angular.
Databases: MySQL, Oracle, MongoDB.
IDEs & Tools: Eclipse, Visual Studio, Android Studio, Git, Postman, STS, GitHub.
Cloud Technologies: Amazon Web Services (AWS).

WORK EXPERIENCE

University of Missouri, Columbia.   Aug 2022 – Present
Graduate Research Assistant   Columbia, MO
- Led a project for analyzing audio data from smart watches to gauge social interactions of over 30 individuals with Autism Spectrum Disorder (ASD), collaborating with University of Missouri Thompson Center for Autism.
- Developed a real-time Android and Wear OS applications for voice and health data recording, with automated transfers to AWS S3, enhancing data collection efficiency.
- Architected a scalable AWS-based system to process, analyze, and visualize audio and health data, with a trained Machine Learning model achieving over 90% accuracy in audio data analysis.
- Developed a web portal using Flask and Angular offering real-time analytics on patient data, bolstering clinicians' insights into patient social behaviors using data from AWS RDS.

Accenture   Sep. 2020 – Dec 2021
Associate Software Engineer   Hyderabad, India
- Maintained and enhanced 5+ critical BMW applications using Java and Spring framework, contributing to the development, and debugging of 10+ user stories, resulting in improved application functionality and enhanced user experience.
- Oversaw the SPIDER application's robust server operations, processing more than 10,000 invoices inconsistencies, resulting in a 25% decline in invoice errors and notable organizational cost savings.
- Optimized the CI/CD pipeline to enhance application deployment efficiency, ensuring updates adhered to the company's strict quality standards.

PROJECTS

Twitter Data Analysis | *Java, OOP, Spark, Angular, SQL, HTML, CSS*
- Developed a comprehensive system to process and analyze over 100K tweets with Apache Spark and Scala and leveraged the Twitter API via a Java program.
- Created a dynamic data visualization dashboard using Angular, allowing for intuitive exploration and clear comprehension of the gathered insights from the analyzed tweets.

IoT Security Automation in Cloud | *Java, Python, AWS, Angular*
- Implemented an AI-driven paradigm to bolster IoT security, achieving a 30% enhancement, and utilized decoy network for defense.
- Analyzed IoT attacks and trained an AI model to cut attack success by 40%, complemented by a real-time Angular dashboard on AWS.

Web Portal for a Wellness Diagnostic Center | *Java, Spring Framework, React, Express, Node*
- Developed a lab test billing web application using Java, Spring MVC, and Spring ORM, focusing on data accessibility and swift retrieval.
- Transitioned to MERN stack for enhanced performance & deployed seamlessly on Heroku for reliable and scalable cloud operation.

ACHEIVEMENTS

- Recognized as BMW's top performer of the month during tenure at Accenture.
- Consistently ranked among the top 10% in school and college with GPAs up to 3.9.