

# SAI SREENIVAS REDDY KARRA

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## FULL STACK SOFTWARE DEVELOPER | FRONT END AND BACK END DEVELOPMENT

Agile Full Stack Java Developer with 2 years of experience in web application design, development, and deployment. Proficient in Java/J2EE, Python, RESTful APIs, HTML, CSS, JavaScript, and React.js. Skilled in database management and data structures. Experienced with Git and AWS. Strong understanding of Agile methodologies and Software Development Lifecycle (SDLC). Dedicated to delivering high-quality, efficient solutions.

## SKILLS AND TECHNOLOGY

**Programming Languages:** Java, Python, C#, SQL/ PL SQL, HTML, CSS, JavaScript, PHP.

**Libraries/Frameworks:** J2EE, Spring Boot, Spring MVC, Microservices, Rest API's, Web Services, Servlets, JSP, ORM, React.

**Tools & Databases:** Eclipse, VS Code, NetBeans, Maven, Git, Jira, AWS, Oracle SQL, DB2.

**Professional Skills:** Debugging, Troubleshooting, Coding, Leadership, Teamwork, Problem Solving, Collaboration. Communication, Solution-Oriented, Strong Desire to Learn, Curiosity, Mentoring, Analytical Skills.

## EDUCATION & CERTIFICATIONS

[AWS Certified Cloud Developer Associate](#), Amazon, Issued on: 06/26/2024

**Master's Degree: Computer Science**, Saint Louis University, 12/2023, GPA 3.97/4.0

**Bachelor's Degree: Computer Science and Engineering**, Kakatiya Institute of Technology and Science, India, 06/2019

## PROFESSIONAL EXPERIENCE

**Java Developer** | Wipro 08/2019 – 12/2021

- Developed and deployed a microservices-based web application using Java, Spring Boot, and React JS, resulting in a scalable and responsive system.
- Implemented RESTful APIs and web services to facilitate seamless communication between frontend and backend systems, enhancing overall system performance and user experience.
- Utilized object-oriented programming principles to design and implement data structures and algorithms for optimizing database operations in SQL/PL SQL, resulting in a 20% increase in query performance.
- Collaborated with cross-functional teams using Agile methodologies and Jira for project management, ensuring timely delivery of features and functionalities.
- Troubleshooted and debugged application issues using Git version control and integrated development environments such as Eclipse and VS Code, reducing downtime by 30%.
- Managed database configurations and optimizations in Oracle SQL and DB2, ensuring data integrity and reliability in a high-traffic production environment.
- Employed Maven for project build automation and dependency management, streamlining the development process and reducing build times by 25%.
- Leveraged AWS cloud services for scalable deployments, reducing infrastructure costs by 15% and improving system reliability through automated scaling and monitoring.
- Applied Java debugging techniques to solve software defects and ensure product effectiveness and efficiency.
- Documented software design, implementation details, and project progress, ensuring proper knowledge sharing amongst team members as well as improved record keeping.

## PROJECTS

**MNIST Digit Classifier:** Developed and trained various machine learning models like deep neural network model, KNN model, Softmax model, tree classifier model to classify handwritten digits into one of digits between 0-9. Provided the users with an interactive UI using Gradio to upload images, select an ML model and view results.

**Drone Plane Controller IOS application:** Developed an IOS application with an user-friendly UI using react native to control Drone planes. Designed an easy to understand backend that receives commands from Flask web framework and sends them to the drone unit for movement. Used Flask Web framework to act as a bridge between frontend and backend.

**Model Restaurant FrontEnd:** Designed a responsive landing webpage for a model restaurant named little lemon using basic HTML and CSS. Followed semantic structure to design the body of the webpage. Included animation using CSS.

**Simple Calculator using React JS:** Developed a simple calculator application with addition, subtraction, multiplication and division functionalities using React Hooks. Designed an alert system to notify the user when multiplied by zero and an error system to throw and notify error when a division by zero occurs.