

# SAI SREENIVAS REDDY KARRA

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

Agile Full Stack Java Developer with 5 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. Adept in learning and using emerging technologies.

## SKILLS AND TECHNOLOGY

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

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

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

**Professional Skills:** Debugging, Troubleshooting, Coding, Leadership, Teamwork, Problem-Solving, Collaboration.

Communication, Solution-Oriented, Strong Desire to Learn, Curiosity, Mentoring, Analytical Skills.

## EDUCATION

[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 Full-Stack Developer** | IMetaVerse Inc | 01/2023 – present

- Developed and deployed a microservices-based web application using Java, Spring Boot, and React JS, achieving 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.
- Ensured smooth integration between frontend and backend components to provide a cohesive user experience.

**Software Engineer** | Wipro Ltd | 08/2019 – 12/2021

- Troubleshoot and debugged application issues using Git version control and integrated development environments such as Eclipse and VS Code, which led to a 30% reduction in downtime.
- 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 resolve software defects and ensure the effectiveness and efficiency of the product.

## PROJECTS

**MNIST Digit Classifier:** Created and trained a range of machine learning models, including a deep neural network, KNN, Softmax, and decision tree models, to accurately classify handwritten digits from 0 to 9. Implemented an interactive user interface with Gradio that allows users to upload images, select machine learning models, and view classification results.

**Drone Plane Remote iOS Application:** Developed an iOS application with a user-friendly interface using React Native to control drone planes. Designed a streamlined backend with Flask that receives commands and transmits them to the drone for operation. Utilized the Flask web framework to effectively connect the frontend and backend.

**Model Restaurant Frontend:** Designed a responsive landing webpage for a model restaurant called Little Lemon using HTML and CSS. Employed semantic structure for the web page layout and incorporated CSS animations to enhance the visual appeal.

**Simple Calculator using React JS:** Created a calculator application with addition, subtraction, multiplication, and division functionalities using React Hooks. Implemented an alert system to inform users of multiplication by zero and an error notification system for division by zero to ensure a seamless user experience.