# 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 Amazon Web Services. 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 APIs, Web Services, Servlets, JSP, ORM, React.
**Tools & Databases:** Eclipse, VS Code, NetBeans, Maven, Git, Jira, AWS, Oracle SQL, DB2, NoSQL, CI/CD tools.
**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: 06/2024
**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, resulting in a 40% improvement in system scalability and a 30% reduction in page load times.
- 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 development strategies 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
- Troubleshot 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

**Portfolio Website (SPA):** This SPA portfolio website includes a Home Page, About Page, Projects Page, and Resume Page, all crafted with React JS, HTML and CSS for a sleek, responsive design. **( TechStack Used -** React JS, HTML, CSS **).**
**MNIST Digit Classifier:** Developed and trained various machine learning models, including deep neural networks and decision trees, to classify handwritten digits. Created an interactive interface with Gradio for users to upload images, select models, and view results. **( TechStack Used -** Python, Gradio, numpy, pandas, pickle, sklearn, keras, tensorflow **).**
**Drone Plane Remote iOS Application:** Built an iOS app with React Native to control drones and designed a Flask backend to handle commands and communication. **( TechStack Used -** Python, Flask WebService Framework, Dronekit library **).**
**Model Restaurant Landing Page:** 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. **( TechStack Used -** HTML, CSS **).**
**Simple Calculator using React JS:** Developed a calculator app using React Hooks with features for basic arithmetic and alerts for division by zero and multiplication by zero errors. **( TechStack Used -** React JS, HTML, CSS **).**