

Sreenivasa Raju Konduru

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EDUCATION

University of Florida, Gainesville, FL

May 2025

Master of Science in Computer Science - CGPA: 3.59 / 4.00

Sathyabama Institute Of Science and Technology, Chennai, India

May 2020

Bachelor of Technology in Computer Science and Engineering

PROFESSIONAL EXPERIENCE

Transportation & Parking Services (TAPS), University of Florida

Gainesville, FL

Web Developer & Automation Engineer

September 2024 – Present

- Built responsive and accessible permit workflows in UF's Mercury WordPress + Gutenberg using HTML5, CSS3, and Bootstrap; ensured WCAG 2.1 AA compliance with UF brand standards.
- Developed Python + Selenium automation for bulk updates in T2 Flex with Excel-driven inputs, error handling, MFA/SSO support, and reconciliation logic to ensure accurate payment plan adjustments.

Tata Consultancy Services (TCS)

Chennai, India

Software Engineer — Domain: BFSI (Banking, Financial Services & Insurance)

April 2021 – August 2023

- Developed Java/Spring Boot microservices exposing secure REST APIs for core banking workflows; authored unit and integration tests, prepared API documentation, and participated in Agile sprints with peer code reviews.
- Optimized Oracle SQL queries and stored procedures by improving indexes, execution plans, and batching strategies, ensuring system scalability and reliability under peak loads.
- Implemented security and delivery enhancements by migrating application credentials to CyberArk PAS with LDAP/AD integration for automated secret rotation and role-based access, while improving CI/CD pipelines with Git and Jenkins for automated test gates, rollout/rollback, and monitoring on Unix/Linux.

TECHNICAL SKILLS

- **Languages:** Java, Python, SQL, JavaScript, TypeScript, Bash, HTML5, CSS3
- **Backend:** Spring Boot, REST APIs, Microservices, Maven, Gradle, JPA/Hibernate, Node.js, Express.js, Flask
- **Frontend:** React, Bootstrap, jQuery, WordPress, Accessibility (WCAG), Responsive Design, AJAX
- **Databases:** Oracle, PostgreSQL, MySQL, MongoDB
- **Cloud & DevOps:** AWS, Docker, Linux/Unix, CI/CD, Git, Jenkins, Shell Scripting, ChromeDriver/Selenium
- **Security & Auth:** CyberArk PAS, LDAP/AD, OAuth2, JWT, Secure Coding Practices
- **Testing & Observability:** JUnit, Mockito, Postman, qTest, Splunk, Kibana, New Relic, Chrome DevTools
- **Tools:** IntelliJ IDEA, Eclipse, VS Code, Oracle SQL Developer, PuTTY, Jira, Postman, openpyxl, pandas
- **Practices:** Agile/Scrum, Code Reviews, API Design, System Design Basics, Data Structures & Algorithms

PROJECTS

Crime Data Analysis for Safer Communities | *React, Flask, Python, SQL, Postman*

- Built a full-stack web application to analyze crime data in Chicago using React for the front end and Flask for the backend.
- Designed and optimized 5 dynamic trend queries to visualize crime types, geolocation, day-wise, and seasonal patterns with interactive charts.
- Integrated a relational database and RESTful APIs to deliver responsive crime analytics with real-time data rendering and filtering.

Task Manager Web App | *React, Node.js, Express.js, MongoDB*

- Developed a secure task management application with user authentication and CRUD features using the MERN stack.
- Implemented JWT for session management and integrated state management with React hooks to enhance UI responsiveness.
- Optimized backend performance and API response times, improving data handling efficiency and user experience.

Library Management System | *Java, Red-Black Tree, Min Heap*

- Developed the Gator Library Management System to streamline book inventory, borrowing, and reservation workflows.
- Utilized Red-Black Tree structure for efficient book storage and retrieval operations.
- Integrated Binary Min Heap to prioritize and process book reservations, demonstrating strong understanding of custom data structures and OOP.