

# Sreenivasa Raju Konduru

Software Development Engineer (SDE) | Full-Stack, Cloud, Java, AI/ML, Automation

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## EDUCATION

### University of Florida

Master of Science in Computer Science CGPA: 3.59/4

Gainesville, FL

Aug. 2023 – May. 2025

**Courses:** Analysis of Algorithms, Advanced Data Structures, Distributed Operating Systems, Computer Networks, Natural Language Processing, Data Engineering, Intro to Data Science, Project Management, Machine Learning Engineering, Database Management Systems

## CERTIFICATIONS

AWS Certified Solutions Architect – Associate — Salesforce Platform Developer I

## TECHNICAL SKILLS

<b>Programming-Languages</b>	Java, C#, Python, Golang, C/C++, JavaScript, TypeScript, SQL (PostgreSQL, MySQL, Oracle)
<b>Backend</b>	Spring Boot, ASP.NET Core / .NET 6–7, REST APIs, Microservices Architecture
<b>Frontend</b>	React, Redux, Angular, HTML, CSS
<b>Distributed Systems</b>	Apache Kafka, Apache Flink, Redis, Temporal, Airflow
<b>Databases &amp; Storage</b>	PostgreSQL, MySQL, MongoDB, Oracle, Snowflake, Firebase
<b>Cloud &amp; DevOps</b>	Microsoft Azure (Kubernetes Service (AKS), Functions, App Service, Blob Storage, DevOps (CI/CD)), AWS, GCP, Docker, Kubernetes, Terraform, Jenkins, Git, CI/CD, Temporal, Airflow
<b>AI / ML</b>	PyTorch, TensorFlow, Keras, Scikit-learn, Pandas, NumPy, OpenCV, NLP (SpaCy, NLTK), LLM Agents LangChain, Transformers, Prompt Engineering
<b>Testing &amp; Monitoring</b>	QTest, Splunk, Postman, PuTTY
<b>Tools &amp; Platforms</b>	Linux, Windows, REST APIs, Postman, IntelliJ, VS Code, Tableau, Power BI, Confluence, JIRA

## EXPERIENCE

### Software Engineer

University Of Florida – Transportation and Parking Services

Sep. 2024 – Present

Gainesville, FL

- Built **Python + Selenium-based automations** to reduce manual processing time for financial and parking workflows.
- Designed and customized **responsive, WCAG-compliant web pages using UF Mercury WordPress (Gutenberg block framework)**.
- Collaborated with **UF IT & operations teams** to modernize **legacy manual workflows and outdated web interfaces**, improving usability and efficiency.

### Software Development Engineer

Tata Consultancy Service (TCS)

Apr. 2021 – Jul. 2023

Chennai, India

- Worked on CyberArk Privileged Access Security (PAS) migration, modernizing access management workflows for a major banking client.
- Developed and enhanced Java-based backend modules to integrate CyberArk password vaulting and secure credential rotation.
- Built secure REST APIs using Java + Spring Boot, ensuring compliance with enterprise authentication standards.
- Performed vault onboarding and account lifecycle automation using CyberArk CPM & AIM.
- Troubleshoot access failures and performed privileged access remediation under strict SLA timelines.
- Used SQL and Oracle DB for secure credential storage and auditing automation.
- Collaborated with security, infra, and DevOps teams to deliver a seamless enterprise migration with zero downtime.

## PROJECTS

### Task Manager App | Java, React, Spring Boot, PostgreSQL, Docker, JWT, REST APIs

Apr. 2025 – May. 2025

- Designed and developed a full-stack task management system with secure JWT authentication and role-based access control, supporting safe CRUD/search workflows with PostgreSQL backend.
- Built with Docker for reliable local deployment and dev–test consistency, showcasing production-ready architecture and scalable design principles.

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

Feb. 2024 – May 2024

- Developed an efficient library system with Red-Black Tree for fast book search and inventory management.
- Integrated Min Heap to prioritize and process reservation requests, demonstrating advanced data structure implementation.

### Quiz Application Platform | React, MongoDB, Node.js, Express

Jan. 2024 – Feb. 2024

- Built a dynamic quiz platform with real-time scoring, timer-based question execution, and user progress tracking.
- Implemented RESTful APIs and mobile-responsive UI to enhance learning efficiency and extensibility.

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

Sept. 2023 – Dec. 2023

- Built a full-stack crime analytics platform using React for the frontend and Flask + SQL for backend data processing.
- Designed 5 dynamic trend-based queries (crime type, geolocation, time, seasonal patterns) with interactive data visualizations and real-time filtering.