

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

Programming-Languages	Java, C#, Python, Golang, C/C++, JavaScript, TypeScript, SQL (PostgreSQL, MySQL, Oracle)
Backend	Spring Boot, ASP.NET Core / .NET 6–7, REST APIs, Microservices Architecture
Frontend	React, Redux, Angular, HTML, CSS
Distributed Systems	Apache Kafka, Apache Flink, Redis, Temporal, Airflow
Databases & Storage	PostgreSQL, MySQL, MongoDB, Oracle, Snowflake, Firebase
Cloud & DevOps	Microsoft Azure (Kubernetes Service (AKS), Functions, App Service, Blob Storage, DevOps (CI/CD)), AWS, GCP, Docker, Kubernetes, Terraform, Jenkins, Git, CI/CD, Temporal, Airflow
AI / ML	PyTorch, TensorFlow, Keras, Scikit-learn, Pandas, NumPy, OpenCV, NLP (SpaCy, NLTK), LLM Agents, LangChain, Transformers, Prompt Engineering
Testing & Monitoring	QTest, Splunk, Postman, PuTTY
Tools & Platforms	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- Collaborated with **UF IT & operations teams** to modernize **legacy manual workflows and outdated web interfaces**, improving usability and efficiency.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.
- Troubleshooted 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.