Venkata Krishna Jammigumpula

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SUMMARY

Computer Science graduate skilled in Python, Java, and SQL, with hands-on automation testing and Agile SDLC experience, eager to deliver scalable backend solutions and adapt quickly.

EDUCATION

R.V.R & J.C. College of Engineering — Guntur, India
B.Tech in Computer Science & Engineering (Data Science) — *Graduation: 2025*

Sri Chaitanya Junior College — Guntur
Higher Secondary Certification (MPC)

G.K Public High School — Guntur
Secondary School Certification

PROJECTS

AgriChain | *Java, Spring Boot, MySQL, REST APIs, JUnit*

- Built a secure supply chain management application enabling seamless data processing and tracking of farm metrics to decrease logistics waste.
- Developed high-performance RESTful APIs and backend services using Java and Spring Boot for transaction management, integrating optimized MySQL structures for persistent data storage.
- Implemented programmatic JUnit unit testing and systematic functional validations aligned with corporate Agile delivery schedules and robust peer code reviews.
- Applied software development lifecycle best practices to ensure clean, efficient, and well-documented code across all backend modules.

Weather Application & Test Framework Automation | *Python, JavaScript, REST APIs, JSON, Git*

- Engineered responsive web views with HTML/CSS and integrated real-time data streaming features utilizing OpenWeatherMap backend REST APIs and structured JSON payload handling.
- Programmed high-volume functional automation scripts to execute boundary tests across 200,000+ data payloads, isolating runtime exceptions and tracking system bugs.
- Designed resilient error handling architecture to reduce failed service requests, preparing rigorous engineering documentation to streamline internal debugging tracks.
- Demonstrated willingness to learn and adapt by rapidly mastering new testing frameworks and debugging techniques to improve code quality.

TECHNICAL SKILLS

Languages: Python, Java, C#, C

Frameworks & Libraries: Spring Boot, Pandas, NumPy, Selenium WebDriver, JUnit

Databases: MySQL, SQL Database Concepts

Cloud & Dev Tools: AWS Cloud Systems, Git Version Control, GitHub

Core Competencies: Dara Structures & Algorithoms, Agile SDLC, Application Testing, REST APIs

Web Development: HTML, CSS, Javascript

CERTIFICATIONS & ACHIEVEMENTS

- AICTE NEAT Standardization: Completed professional, industry-aligned structural curriculum tracks validating deep expertise in AWS Cloud Systems and modern AI/ML Platforms.