GAYATHRI REDDY YEDDLA

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EDUCATION

University of Florida | *GPA : 3.5/4.0*   **Jan 2023 - Dec 2024**
Master of Science in Computer Science   *Gainesville, FL*
Courses: Advanced Data Structures, Analysis of algorithms, Distributed Operating System Principles, Human Computer Interaction

Gokaraju Rangaraju Institute of Engineering and Technology | *GPA : 9.53/10.0*   **Aug 2016 - Sep 2020**
Bachelor of Technology in Computer Science and Engineering   *Hyderabad, India*
Courses: DSA, Computer Networks, Database Management System, Software Engineering,cloud computing

TECHNICAL SKILLS

Languages & Databases: Java, Python, C, C++,JavaScript,HTML,SQL,MySQL,Postgres SQL, MongoDB
Web and Cloud : Node JS, React JS, JPA Hibernate, Spring, Angular, AWS, Azure
Other Technologies: Git, GraphQL, Docker, Kubernetes,, Selenium, Apache Hive, Dbeaver, Power BI

WORK EXPERIENCE

Software Engineer in Test | **IBM, Hyderabad, India**   **Jan 2021 - Oct 2022**
- Led Data Lake Decommission and Migration for TRUIST Bank, preparing test data and mockups for multiple teams, resulting in seamless data migration.
- Executed Data Loading and Table Validations using Microsoft SQL Server Studio, ensuring 100% table validation and data integrity.
- Developed and Executed ETL Test Cases in Hive environments (SIT, UAT) using tools like Hue-Editor, TOAD Datapoint, and DBeaver, improving data quality assurance by 15%.
- Automated Manual Admin Module Processes in collaboration with the development team, achieving a 25% improvement in time efficiency, enhancing scalability, reliability, and consistency.
- Created Custom Scripts for end-to-end testing of back-end processing systems and front-end GUIs, ensuring a 93% on-time completion rate for defect-free releases in a Scrum Agile environment.
- Maintained Continuous Communication with internal teams (BA, Scrum, developers) throughout the SDLC, achieving a 96% success rate in regression and functional test execution within QA test environments prior to Production release and System integration test cycles.
- Collaborated with Test Lead and Manager to optimize UI/API automation scripts, resolving technical issues and achieving a 30% reduction in automation execution time, driving continuous improvement.

Software Engineer Intern | **XenonStack, Hyderabad, India**   **Jul 2018 - Sep 2018**
- Engineered over 20 automation scripts using object-oriented principles in Java, optimizing code reliability by 20% through the use of Eclipse IDE and unit testing frameworks, including JUnit and TestNG.
- Improved testing efficiency and accuracy by 60% for latency tests through comprehensive test suites and YAML configuration files.

PROJECTS

Pizza Ordering System | *Spring Boot,Spring REST, Angular*
- Developed and launched an end-to-end pizza ordering system using Angular for the frontend and Spring for backend services, handling over 10,000 orders per month with 99% uptime.
- Architected microservices for customer management and pizza owners, integrated with Spring Cloud Config, Spring Gateway, and Netflix Eureka, resulting in a 25% improvement in service scalability and fault tolerance.
- Optimized application performance through microservices architecture, reducing system response time by 30% and increasing user engagement by 20%.

GatorChefs | *Python,Node JS, React, Mongo DB, OpenAI*
- Developed a full-stack web application, reducing recipe sharing time by 50% by automating key tasks such as recipe descriptions and ingredient categorization using OpenAI SDK, integrated with React, Node.js, and MongoDB.
- Achieved 95% user authentication success rate through Clerk integration, and optimized image serving speed by 30% using CloudFlare Images, ensuring seamless performance across major desktop and mobile browsers.
- Enhanced community safety by implementing AI-powered spam filtration, allergen detection, and health insights, improving content accuracy and safety by 40%.

Sales Forecasting and Customer Segmentation | *Python*
- Developed a sales forecasting model using linear regression, accurately predicting monthly sales with a 90% accuracy rate, improving inventory management and reducing stockouts by 15%.
- Implemented customer segmentation through clustering algorithms, leading to targeted marketing campaigns that increased customer retention by 12% and boosted revenue by 10%.
- Created data visualizations to present key insights and model performance, enabling stakeholders to make informed decisions that enhanced overall business operations.