CHALLA SOUMMITH

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EDUCATION

Master of Science in Information Technology   Aug 2023 – Apr 2025
University of Cincinnati, Cincinnati, OH
- Relevant Coursework: machine learning, python, Human computer Interconnection, Tech for mobile apps, Topics

Bachelor of Technology in Computer Science   Jul 2018 – Jul 2022
Jawaharlal Nehru Technological University, India, Hyderabad
- Relevant Coursework: java, operating system, problem solving in programming,

PROJECTS

Website Automation Testing | Java and Selenium   May 2022- Jan 2023
Jawaharlal Nehru Technological University, India, Hyderabad
- Created Java-based automation scripts with Selenium WebDriver to test an adaptable web application, storing test data, and integrating automated execution with the IntelliJ IDE. These scripts ensured functionality in a range of circumstances.

Hospital Inventory Management System | MERN Stack, JavaScript, REST APIs   Oct 2022 – Jan 2023
Jawaharlal Nehru Technological University, India, Hyderabad
- Developed a hospital inventory management web application using the MERN stack (MongoDB, Express.js, React, Node.js), enabling CRUD operations on over 5000 inventory records via REST APIs
- Built a real-time React dashboard displaying ventilator availability that updates every 5 minutes for 50 hospital locations to optimize ambulance routing.

EXPERIENCE

Research intern   Jul 2023 – Dec 2024
ITAC University of Cincinnati, *Cincinnati, OH*
- Steered team meetings over 2 sprints, supervising tasks as the lead for the Research Tracking System, ensuring a user-friendly and data-accurate platform using MVC architecture.
- Implemented complex web applications and backend data systems utilizing JavaScript, React.js, Node.js, and SQL, carefully following project specifications.
- Streamlined web scraping by applying Puppeteer, integrating TypeScript to enhance code quality, and populating data into 2 SQL tables.
- Orchestrated the oversight of more than 20 tasks and issues using project management and issue tracking tools like Atlassian JIRA and steering of project progress.
- Spearheaded active participation in collaborative software development workflows across multiple projects, leveraging Git version control systems like GitHub, Bitbucket, and/or GitLab.

Software Developer Engineer-I   Jul 2022-Jul 2023
NCR corporation, Hyderabad, Telangana
- Engineered the seamless migration of the LPE (Loyalty Promotion Engine) legacy product to .NET MVC 5 as a Backend Developer, improving responsiveness by 30% and reducing crashes by 20%.
- Pioneered cloud conversion projects, enhanced customer reward calculations, and resolved thirty issues in the code.
- Actively participated in Agile and Kanban environments, managing 3 sprints, and deploying 5 applications using Docker Containers and Kubernetes.
- Expertly handled Postman requests for APIs, completing 50 POST and 50 GET requests every day to guarantee strong processing and validation, enhancing the functionality and dependability of APIs.
- Collaborated closely with the DevOps team to integrate advanced DevOps techniques like CI/CD, BDD, and Test-automation of 20 feature files into the software development lifecycle on visual studio code.
- Honed strong debugging skills to fix the complex defects and troubleshooting activities, effectively identifying, and resolving software defects to ensure optimal system performance and reliability.
- Assumed responsibility of designing and documenting 100 test cases using Cucumber and Java, rigorously implementing testing methods throughout product development and deployment phases.

SKILLS

Programming languages	.Net, c#, Java, Python, JavaScript, C/C++, SQL, HTML/CSS, TypeScript
Web Frameworks	Spring Boot, Flask, Angular, React, Node.js, Express, JSF
Tools	Postman**,** JMeter, AWS, Microservices, CI/CD, REST APIs, NoSQL databases
Technologies	Git, Linux, MySQL, Tableau, Docker, Kubernetes, Ansible, cucumber
Version Control	TFS, GitHub, Gitlab