# CHALLA SOUMMITH

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## EDUCATION

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

**Bachelor of Technology in Computer Science**
*Jawaharlal Nehru Technological University, India, Hyderabad*
- Relevant Coursework: java, operating system, problem solving in programming, React, Golang

## 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 and maven to test an adaptable web application, storing test data, and integrating automated execution with the IntelliJ IDE.

**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

**Full stack 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 ANSI SQ, carefully following project specifications.
- Streamlined web scraping with Puppeteer and integrated TypeScript, enhancing code quality and populating data into 2 SQL tables. Led collaboration across multiple projects using Git version control systems like GitHub, Bitbucket, and 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, improved customer reward calculations, and resolved 30 code issues. Actively managed 3 sprints in Agile and Kanban environments, deploying 5 applications with Docker and Kubernetes, while handling 50 POST and 50 GET requests daily in Postman to ensure robust API functionality and validation.
- Collaborated with the DevOps team to integrate CI/CD, BDD, and test automation of 20 feature files into the development lifecycle. Developed and documented 100 test cases using Cucumber and Java, while honing debugging skills to resolve complex defects and ensure optimal system performance.

**Software Developer Engineer**                                                                                                Jul 2021-Jul 2022
Bed Bath & Beyond Inc,Delhi
- Developed and maintained 3 backend systems for e-commerce, including secure payment gateways and inventory management, while integrating 5+ third-party services to enhance functionality and customer engagement.
- Engineered SQL Server architecture for managing thousands of daily records, optimizing queries for high traffic and reliable data processing, and collaborated on 10+ frontend features for a cohesive user experience.
- Stayed updated on .NET trends, applying best practices to site upgrades, maintaining documentation, and providing weekly updates to stakeholders for alignment and transparency.

## SKILLS

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