HARSHAVARDHAN CHINTAPATLA

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EDUCATION

University of Missouri   **Columbia, Missouri**
Master of Science in Computer Science   Jan 2024 - present

Bharath Institute of Higher Education and Research   **Chennai, India**
Bachelor of Technology in Electronics and Communication Engineering   July 2017 - June 2021

PROFESSIONAL EXPERIENCE

University of Missouri   **Columbia, Missouri**
Graduate Research Assistant   Feb 2024 - Present

- Created an AI-driven cloud testbed using AWS Lambda, SageMaker, and EC2 to detect and mitigate cyberattacks with 40 ms latency and 94% accuracy.
- Developed a webpage for researchers to securely retrieve, analyze, and save data with user and admin-level access controls. Implemented automated schedulers for efficient data transfer and management.
- Contributed to the development of a dynamic webpage by converting it from a static to a dynamic model, ensuring enhanced functionality and improved user experience for more efficient rendering and data handling.

Capgemini Technology Services   **Hyderabad, Telangana, India**
Associate Consultant   Aug 2021 - Dec 2023

- Performed functional, integration, and regression testing across multiple environments, automating backend and UI test cases using Postman, Opentest, and Cypress.
- Developed multi-market automation scripts, enabling single scripts to run across multiple regions, improving test coverage and efficiency.
- Debugged and fixed pipeline issues, providing code fixes for intermittent failures, increasing the pass rate of tests during execution.

PROJECTS

Twitter Data Analysis with PySpark

- Analyzed Twitter data to identify top engaged users, media types, tweet locations, and word frequencies using PySpark SQL.
- Developed scripts for data processing and visualizations with Matplotlib and Plotly.
- Conducted complex analysis of user mention-hashtag relationships to uncover interaction trends.

Demo Website Testing (https://opensource-demo.orangehrmlive.com/)

- Developed and executed manual test cases using Jira across multiple modules, ensuring comprehensive coverage of functional and non-functional requirements.
- Automated test cases using Java and Selenium, leveraging the Page Object Model (POM) design pattern to enhance code maintainability, readability, and reusability.
- Integrated test automation into the CI/CD pipeline by configuring Jenkins to trigger automated test execution, ensuring continuous testing and fast feedback on code changes.

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, JavaScript, HTML/CSS, SQL
- **Cloud Services:** AWS, Lambda, EC2, API-Gateway, RDS, IAM, S3, Sagemaker
- **IDEs & Tools:** Visual Studio Code, Visual Studio Professional, Eclipse, GitHub, JIRA, Postman, Docker

AWARDS

- Xtramile award in recognition of outstanding performance in Dec 2022.
- IEVOLVE certificate on successful implementation of idea productivity improvement: Postman using Kaizen methodology.