KEY LEARNINGS FROM 6 WEEKS

Throughout this 6-week QA internship, I gained comprehensive hands-on experience in both **manual and automated testing**. While I had prior knowledge of manual testing, this internship significantly enhanced my understanding of automation testing and introduced me to **performance and security testing tools**. Although I uploaded **Cypress test cases** to practice automation, I also attempted learning **Selenium**; as a beginner, Selenium felt challenging, so I focused on Cypress as a more beginner-friendly tool to effectively implement automated workflows.

Core Competencies Developed

Automation Testing Excellence

- Gained practical experience with the **Cypress framework** for end-to-end test automation
- Developed skills in writing, executing, and maintaining automated test scripts
- Implemented data-driven testing approaches and optimized test cases
- Automated core workflows such as registration, login, and form submissions

Performance Testing Foundation

- Acquired foundational knowledge of **JMeter** for load and performance testing
- Learned to create test plans, configure thread groups, and analyze performance metrics
- Understood stress testing, load testing, and performance benchmarking
- Identified performance bottlenecks and suggested optimizations

Security Testing Basics

- Gained introductory experience with **OWASP ZAP** for web security testing
- Learned to identify common vulnerabilities including SQL Injection, XSS, and authentication issues
- Understood the importance of security testing in the SDLC
- Developed awareness of OWASP Top 10 security risks

CI/CD Integration Knowledge

- Learned the role of QA in **DevOps pipelines** and continuous integration
- Understood how automated tests integrate with **Jenkins and GitHub Actions**
- Gained theoretical knowledge of automated test execution in production-like environments

Professional Development Goals

I am committed to deepening my expertise in QA through continuous practice. My goal is to advance from beginner-level automation knowledge to **proficiency in Selenium, performance testing, and security testing**, becoming a well-rounded QA professional capable of delivering reliable, high-quality software solutions.