NAYANA MIHIRANGA

Undergraduate

+94 70 568 1931 | mihiranganayana@gmail.com | Portfolio | LinkedIn | GitHub

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SUMMARY

Highly motivated and detail-oriented undergraduate with a strong interest in Software Quality Assurance. Possesses a solid foundation in software development principles and is eager to learn and contribute to a team environment, working collaboratively with developers and stakeholders to deliver exceptional software.

SKILLS

Languages : Java, Python, C++
Tools and Technologies : Selenium, Cucumber, Behave, Postman, JMeter, AWS, GCP, Maven, MySQL, Git, GitHub
Knowledge : SDLC Basics, Agile Fundamentals, Test Case Development, OOP Fundamentals

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PROJECTS

Cucumber with Selenium project   **Selenium | Cucumber | Java | Maven | POM**

Developed a Maven project to implement automated testing using the Cucumber BDD framework with Selenium for the anupdamoda.github.io/AceOnlineShoePortal/index.html site. Used the Page Object Model design pattern to maintain a clear separation between test scripts and page elements, enhancing code maintainability and scalability. Also, generated a Test Report along with written test cases.

Selenium Test Automation project   **Selenium | TestNG | Java**

Designed a Selenium-Java based automation project for testing various functionalities for the magento.software testingboard.com site. Tested Account creation, Login, Search products, Filter products, Add to cart, and Payouts. Used the TestNG framework for structuring and executing test cases. Also, wrote detailed Test Cases.

Selenium Behave BDD project   **Selenium | Behave | Python | POM**

Developed a Selenium project utilizing Python's Behave BDD framework integrated with the Page Object Model design pattern. The project consists of three main Features with ten test Scenarios, incorporating Data-Driven testing techniques. Additionally, I integrated Allure Test Reporting for comprehensive result analysis.

Selenium with Python project   **Selenium | Python**

Developed a Selenium-Python based automation project to streamline the process of finding accommodations on the Booking.com site. Also, documented test cases and results for traceability and future reference.

API Test Automation project   **Cucumber | Postman | Java | Maven**

Developed a Cucumber-Java based Maven automation project to test APIs on the Fakestoreapi.com site. Automated four Features with seven Scenarios. Tested GET, POST, PUT, and DELETE APIs. Used Postman for initial manual testing. Also generated a Test Report.

EDUCATION

BSc. Applied Mathematics and Computing
University of Jaffna
2021 - Present

BSc. Information Technology
University of Colombo School of Computing (External)
2020 - Present

CERTIFICATES

ISTQB (CTFL; Core)
Expected Completion - September 2024

AWS Cloud Practitioner
AWS Cloud Quest

AWS Educate Introduction to Cloud 101
AWS Training and Certification

LambdaTest Software Testing Professional Certificate
LinkedIn Learning | LambdaTest