

# NAYANA MIHIRANGA

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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.

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## 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](https://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.softwaretestingboard.com](https://magento.softwaretestingboard.com) site. Tested Account creation, Login, Search products, Filter products, Add to cart, and Payments. 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.

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## EDUCATION

### BSc. Applied Mathematics and Computing

University of Jaffna

2021 - Present

### BSc. Information Technology

University of Colombo School of Computing

(External)

2021 - Present

## CERTIFICATES

### AWS Cloud Practitioner

AWS Cloud Quest

### AWS Educate Introduction to Cloud 101

AWS Training and Certification

### LambdaTest Software Testing Professional Certificate

LinkedIn Learning | LambdaTest

### DevOps Professional Certificate

LinkedIn Learning | PagerDuty