

# DALUGODAGE MADUKA SEWWANDI

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🌐 [madukasewwandi.github.io/Maduka-Portfolio](https://madukasewwandi.github.io/Maduka-Portfolio)

## PROFILE

Detail-oriented IT undergraduate with practical experience in manual testing, bug tracking, and basic automation using Selenium and Playwright. Skilled in writing and executing test cases, tracking defects with JIRA, and performing API testing using Postman. Passionate about software quality and eager to gain hands-on QA experience through an internship.

## EDUCATION

**University of Colombo** — Bachelor of Information & Communication Technology (Honours)  
Expected Graduation: 2027 | GPA: 3.2 / 4.0

**Mahinda Rajapaksha College, Matara** — G.C.E. Advanced Level | 2020–2022  
SFT (A), ET (B), ICT (B) | Z-Score: 2.2268

## PROJECTS

- Bug Tracker App** (React.js, Node.js, MongoDB) Sept 2025  
• Developed a web-based bug tracking system with reporting, editing, and status management features.  
• Performed manual and API testing using Postman, created detailed QA documentation, and executed UI automation tests with Selenium.
- React To-Do List App** (React, Vite) Aug 2025  
• Built a responsive task management app with features for adding, editing, and deleting tasks.  
• Designed and executed test cases and automation scripts to validate app functionality and usability.
- FOT CONNECT Mobile News App** (Android Studio, Java, Firebase) Jul 2025  
• Developed a mobile news app for categorized academic and event updates using Firebase Realtime Database.  
• Conducted manual testing, ensuring data consistency and smooth UI performance across devices.
- Inventory Management System** (React.js, MongoDB) Dec 2024  
• Created a web system for efficient inventory tracking, item management, and repair alerts.  
• Executed integration, API, and UI testing while maintaining structured QA documentation.
- Library Management System** (PHP, MySQL, HTML, CSS) Apr 2024  
• Developed modules for authentication, book registration, and resource management.  
• Conducted manual and Selenium testing to ensure accurate workflows and stable system performance.

## CERTIFICATIONS & BADGES

- Professional Diploma in Software Testing & Quality Assurance (Udemy)
- Introduction to Software Quality Assurance (University of Moratuwa)
- Postman API Fundamentals Student Expert (Postman)
- API Testing Path (Postman)
- Introduction to Selenium (Simplilearn)
- Introduction to JIRA (Simplilearn)
- Professional Diploma in Agile & Scrum (Udemy)
- Agile Project Management (University of Moratuwa)

## **TECHNICAL SKILLS**

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- **QA Methodologies** : Referring to ISTQB Foundation Level syllabus, SDLC, STLC, Test Planning, Test Case Design, Defect Tracking.
- **QA Tools & Automation** : JIRA, Postman (basic), Selenium (basic), Playwright (basic), Cypress (basic).
- **Project Management** : Agile, Waterfall.
- **Programming** : Python, C, Java, JavaScript.
- **Web & Database** : HTML, CSS, React.js, Node.js, PHP, MySQL, MongoDB.
- **Tools & Platforms** : GitHub, Firebase, Android Studio.

## **SOFT SKILLS**

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- Critical Thinking
- Cross-functional Team Collaboration
- Leadership
- Time Management
- Clear Communication

## **COMMUNITY AND LEADERSHIP**

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- Member, INTSEC Club, University of Colombo (2023–Present)
- Member, Buddhist Society, University of Colombo (2023–Present)

## **LANGUAGES**

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English, Sinhala

## **REFERENCES**

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### **Dr. Rohan Samarasinghe**

Head of the Department, Senior Lecturer, Department of ICT, Faculty of Technology, University of Colombo  
B.Sc. (Kelaniya), M.Sc. (Kyushu), Ph.D (Kyushu), MBA (Kyushu)

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### **Dr. N. T. Weerawarna**

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