



NIMALSHA MADUWANTHI

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ABOUT ME

I am an **ISTQB Certified Software Quality Engineer** with a strong foundation in testing principles and industry best practices. With experience in both manual and automated testing, I ensure software reliability and performance across various platforms. I'm skilled in Agile methodologies and the full software development lifecycle, with a focus on early defect detection and continuous quality improvement.

EXPERIENCE

• Trainee Software Quality Engineer – Scicom Lanka (PVT) Ltd

Jan 2025 - Present

- Performed manual and automation testing across Immigration System.
- Designed and executed test cases in TestLink; conducted UI, functional, and regression testing.
- Logged and tracked defects using Jira, ensuring quality through retesting and issue validation.
- Automated UI testing with AppliTools and developed performance test scripts using Apache JMeter.
- Actively engaged in Agile practices, contributing to stand-ups and review meetings.
- Proficient with tools such as Selenium, Playwright, TestNG, Maven, Postman, Git, MariaDB, DBeaver.

EDUCATION

• University of Colombo School of Computing

May 2022 - Aug 2025

Bachelor of Science in Computer Science (GPA: 3.04/4.00) - Expected graduate on 24th August 2025

• Sujatha Vidyalaya ,Matara

2017 - 2020

G.C.E A/L (Z Score: 1.7, Combined Mathematics: A, Physics: B, Chemistry: B)

• Sujatha Vidyalaya ,Matara

2012 - 2017

G.C.E O/L(A-9)

PROJECTS

• FitEats: Health-Focused Food Ordering System (Group Project)

Jun 2024 | Nov 2024

[React, SpringBoot, MySQL, Flutter, JavaScript, Java, TailwindCSS, MUI]



- Created a health-focused food ordering system with BMI analysis and calorie tracking.
- Automated meal plan generation based on individual nutritional needs.
- Integrated web and mobile platforms for seamless user experience.
- Provided access to consultations with certified nutritionists.

• EcoPlus: Waste Management Platform (Group Project)

Jun 2023 | May 2024

[PHP, HTML, CSS, JavaScript, MySQL, GoogleMaps, PHPMailer, Chart.js]



- Designed a waste management platform to streamline online garbage collection.
- Implemented an eco-credit reward system integrated with supermarkets.
- Enabled analytics and feedback modules for regional centers.

• Library Management System (Group Project)

Aug 2023 | Oct 2023

[React, MongoDB, Node.js, Express.js, TailwindCSS, MUI]



- Implemented a MERN stack-based library management system.
- Streamlined book tracking and user account management.
- Optimized backend operations for faster book search and retrieval.

• **YogaPulse: Online Yoga Learning Platform**

[React, MongoDB, Node.js, Express.js]

- Created a platform to stream yoga classes.
- Designed using MERN stack with responsive layouts.
- Enabled real-time streaming and session scheduling.

2024 | Ongoing



SKILLS

Programming Languages: Java, Python, JavaScript, C, C++, PHP, Scala, Octave, R

Frameworks/Libraries: Spring Boot, Node.js, Express.js, React, HTML, CSS

Testing Tools: Selenium, playwright, Jira, Apache JMeter, TestNG, TestLink

Databases: MySQL, MongoDB

Tools/Platforms: Git, Linux, Postman API, AWS

Soft Skills: Problem Solving, Analytical Skills, Attention to Detail, Communication, Adaptability

INTERESTS

- Automation Quality Engineering
- Software Engineering
- Analyzing and Predicting
- Task Automating

CERTIFICATES

• **ISTQB Certified Tester Foundation Level (CTFL; Core) v4.0 – ISTQB**

Issued: 2025

Gained foundational knowledge in software testing principles, techniques, test management, and tools.

• **Artificial Intelligence Foundations: Machine Learning – LinkedIn Learning**

Issued: 2024

Learned ML lifecycle, supervised/unsupervised learning, and evaluation metrics with real-world examples.

• **AWS Educate: Introduction to Cloud 101 – Amazon Web Services (AWS)**

Issued: Jul 2023

Covered core AWS services, cloud concepts, and deployment fundamentals.

• **Learning Java 11 – LinkedIn Learning**

Issued: Aug 2024

Learned Java basics, syntax, functions, loops, and best practices.

• **Learning Python – LinkedIn Learning**

Issued: Sep 2024

Covered syntax, file I/O, working with dates, and data retrieval from web sources.

VOLUNTEERING

• **Member - Member of COLOMBO BECON**

• **Member -Member of LEO CLUB OF UOC**

REFERENCES

• **Mr. Nuwan Obeyesekera**

Software Quality Engineer Architect – Scicom Lanka (Private) Limited, Colombo 03

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• **Ms. JE Jayathma Chathurangani**

Lecturer – University of Colombo School of Computing (UCSC), Sri Lanka

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