



# GAYATHRI KAUSHALYA


## SOFTWARE QUALITY ASSURANCE ENGINEER



 Kandy, Sri Lanka

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## PROFILE

I am a motivated and detail-oriented Quality Assurance Engineer passionate about delivering reliable software solutions. Experienced in testing methodologies, defect analysis, and process improvement, I excel at ensuring seamless user experiences. Adaptable and a proactive self-learner, I thrive in both team and independent environments, committed to quality-driven processes and continuous innovation.

## WORK EXPERIENCE

### Intern Software Engineer , Ceylon Electricity Board

6 months (2024)

- Created a bill calculation module and designed user-friendly UI interfaces for the CEB Power Trading Module project, improving user experience and system efficiency.
- Designed and implemented secure login, authentication, and authorization systems for large-scale websites, ensuring robust user access control.
- Developed frontend interfaces using ReactJS and built backend services with Node.js, Express, and PostgreSQL for dynamic and scalable web applications.
- Utilized Git, GitLab, and Figma for version control, collaboration, and UI/UX design to streamline project workflows and meet user requirements.

## EDUCATION

### University of Moratuwa

2021- 2025

B.Sc.(Hons) in Information Technology

Faculty of Information Technology.

### Nu/Poramadulla Central college, Rikillagaskada.

2009-2017

G.C.E Advanced Level Examination

Engineering Technology with Maths

## PROJECTS

### Development of an Intelligent System for Identifying Venomous Snakes and Providing Safety Guidelines in Sri Lanka- Level 04 Research

2025

This research focuses on building an AI-based system to improve public safety during wildlife encounters in Sri Lanka, especially with venomous snakes. The system uses an AI chatbot with Natural Language Processing (NLP) to give quick first aid and safety advice based on the identified snake species. My role includes organizing data and connecting it to a vector database, as well as adding first aid and safety information for each species.

## API and UI Testing Project

2025

Developed and executed tests for Book Management API and E commerce UI using Cucumber and Playwright, ensuring functionality and performance. Utilized Postman for API testing and created detailed bug reports to support the development team in resolving issues efficiently.

## Weather App

2024

I created a mini project of Weather App , using Open Weather Map API to show current temperature, weather conditions, humidity, and wind speed for chosen cities. This project highlights my React expertise, API integration, and data visualization skills.

- Technologies: React JS

## Hotel Management System - Level 2 Software Project

2022-2023

A hotel management software designed to meet the diverse needs of the hotel industry. Hotel staff can now efficiently manage guest information, reservations, and housekeeping tasks in one centralized platform, reducing administrative burdens and improving overall efficiency.

- Technologies: PHP Laravel, HTML5, CSS, Bootstrap
- Databases: MySQL

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## TECHNICAL SKILLS

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| <ul style="list-style-type: none"><li>• <b>Programming Skills</b><br/>Java, C</li><li>• <b>Frameworks</b><br/>ReactJS, NodeJS, Laravel</li><li>• <b>Web Development</b><br/>HTML, CSS, JavaScript</li></ul> | <ul style="list-style-type: none"><li>• <b>Database</b><br/>MySQL, MongoDB, PostgreSQL</li><li>• <b>Testing Framework</b><br/>Selenium, Postman, Playwright</li><li>• <b>Version Controlling</b><br/>Git</li></ul> | <ul style="list-style-type: none"><li>• <b>Application &amp; Tools</b><br/>Atmel Studio, Gimp, Photoshop, Blender</li><li>• <b>UI/UX Designing</b><br/>Figma</li></ul> |
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## NON TECHNICAL SKILLS

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| <ul style="list-style-type: none"><li>• Teamwork and Collaboration</li><li>• Effective Communication</li></ul> | <ul style="list-style-type: none"><li>• Responsibility</li><li>• Strong Problem-Solving Skills</li></ul> | <ul style="list-style-type: none"><li>• Quick Learning</li><li>• Adaptability</li></ul> |
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## EXTRA CURRICULAR ACTIVITIES

### University of Moratuwa

- Organizing Committee Member of Mora UXplore 1.0 -IEEE Club
- Member of FIT Moment
- Member of Hiking Club
- Member of Gavel Mora Club

### Poramadulla Cental College

- Secretary of Environment Club(2015-2017)
- Member of Hiking Club (2012-2017)
- Member of Science Committee
- Member of Sinhala Literacy Association

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## REFERENCE

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