



# HASITHA DARSHANA

## UNDERGRADUATE | FULLSTACK DEVELOPER

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### ABOUT

I am currently pursuing my undergraduate degree at Rajarata University Of Sri Lanka. Throughout my academic journey, I have gained in-depth knowledge and hands-on experience in Full-Stack Development, equipping me with the necessary expertise to excel in the Software industry. I am eager to apply my skills to real-world projects and contribute to innovative solutions. I am seeking opportunities to apply my technical expertise in a dynamic and innovative environment where I can contribute effectively and grow as a software engineer.

### SKILLS

#### TECHNICAL SKILLS

- Programming Languages: JavaScript, Python
- Frontend: Tailwind CSS, React.js
- Backend: Node.js, Django
- Databases: MySQL, MongoDB, Firebase
- DevOps & Cloud: Docker, AWS
- Version Control: Git, GitHub
- APIs & Security: REST

#### SOFT SKILLS

- Problem-Solving
- Communication
- Adaptability
- Time Management
- Leadership
- Agile Mindset

### RESEARCH

#### Comparative Analysis of Machine Learning Algorithms for Diabetes

Jan 2025 - Present

Rajarata University of Sri Lanka

- Investigated the use of machine learning technologies to enhance the early detection and diagnosis of diabetes, aiming to improve healthcare outcomes.
- Developed a system to analyze and predict diabetes using structured clinical data, streamlining the diagnostic process and addressing challenges like delays and errors in traditional methods.

### PROJECTS

#### Boosting Employee Well-being with Emotion Recognition and Attendance Management System

May 2024 - Dec 2024

Rajarata University of Sri Lanka

- Developed a system that integrates facial recognition technology to automate attendance management and capture real-time emotional states of employees, enhancing workplace productivity and morale.
- Used Python, Django, OpenCV, and Face Recognition to track and analyze employee emotions, identifying patterns for proactive interventions.

## Realtime Chat App with MERN Stack

Aug 2024 – Nov 2024

Rajarata University of Sri Lanka

- Developed a real-time chat application using the MERN stack (MongoDB, Express.js, React.js, Node.js) along with Socket.io for live messaging and TailwindCSS plus Daisy UI for the front-end design.

## Hotel Booking and Admin Management System

Mar 2023 – Sep 2023

Rajarata University of Sri Lanka

- Developed a user-friendly hotel booking platform with seamless navigation for browsing rooms, facilities, and booking services across devices.
- Built the platform with HTML, CSS, JavaScript, Bootstrap, AJAX, PHP, MySQL, and PHPMailer for responsive design, asynchronous functionality, backend architecture, and email integration.

## EDUCATION

### Bachelor of Information Communication Technology [BICTHons] Expected Graduation 2026

Rajarata University of Sri Lanka

- Current GPA – 3.51 (Credits – 74) : Reading
- Relevant coursework – Data Structures and Algorithms, Object-Oriented Programming, Database Systems, Web Development, Machine Learning, Design Patterns

## CERTIFICATIONS

**AWS Cloud Practitioner (CLF-C02)** Feb 2025

Kodekloud

**Getting Started with MongoDB Atlas** Feb 2025

MongoDB

**Getting Started with NodeJS** Feb 2025

Simplilearn

**Postman API Fundamentals Student Expert** Jan 2025

Postman

**GIT for Beginners** Feb 2025

Kodekloud

**Python for Beginners** May 2024

University of Moratuwa

## VOLUNTEER EXPERIENCE

**Logistics Team Lead** 2024 – Present

Robotic Society Of Technology – RUSL

- Managing event logistics, resource allocation, and coordination of technical workshops and competitions for efficient execution and outreach.

**Member** 2023 – Present

Free & Open Source Software Community (FOSS) – RUSL

- I contribute to promoting open-source technologies, collaborating on software projects, and participating in knowledge-sharing sessions.

## REFERENCES

**Ms. Nadeesha Thilakarathne**

Lecturer

ICT Department  
Faculty of Technology  
Rajarata University of Sri Lanka

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**Mr. Husni Mohomed**

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