

RASHMI DAHANAYAKA

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ABOUT ME

I am a **graduate in Information Technology** from SLIIT with **eight months of practical experience** in **software development and testing**. I have contributed to building responsive web applications and participated in both development and UI/UX design tasks. My experience includes supporting real-world projects, collaborating with teams, and ensuring functionality through testing and feedback I bring a strong problem-solving mindset and a passion for delivering high-quality, maintainable solutions. With experience across **development, testing, and design**, I adapt well in dynamic and collaborative environments. I adapt well in dynamic environments and am eager to grow further in the tech industry.

WORK EXPERINCES

Cambridge Computer Science Teacher | Hilburn International College | Awissawella
Trainer Software Engineer | Spark Global Solution (Pvt) Ltd | Kottawa, Colombo

Learning Management System (Mobile App / Web Application) - Team Project

- Developed and integrated a student-side LMS platform to manage classes, enhancing accessibility for a wider user base across Sri Lanka.
- Designed and developed responsive **frontend** interfaces using **React.js and React Native**, ensuring a seamless experience across devices.
- Developed secure **backend** services with **Node.js and SQL**, hosted via **CPanel** with database management through **phpMyAdmin**.
- Integrated and tested**, using Postman to ensure reliable and high-performance API communication.
- Regularly fixed bugs** and optimized performance, improving overall platform stability and user experience across devices.

SMS Gateway System(Web Application) - Team Project

- Collaborated with a team to develop a commercial **SMS gateway platform** for businesses, enabling bulk and transactional SMS services.
- Contributed to **backend** development using **Node.js and Express**, handling user management, message queuing, and **API integration**.Managed MySQL database operations via **phpMyAdmin** and deployed the system using **CPanel**.
- Contributed to bug fixes and performance tuning, ensuring reliable and scalable SMS delivery services

EDUCATION

BSc (Hons) in Information Technology – Specializing in Information Technology | SLIIT, Malabe | 2025
Coursework: **Software Engineering, Software Quality Assurance, ITPM, Cloud Computing, Data Structures & Algorithms, Programming Application Framework, Database System**
Achievements: **Published research papers (Paper Title: Holistic Approaches to Monitoring Dementia Progression Beyond Cognitive Measures)**
Read the full paper here: <https://lnkd.in/geA2rAq3>

SKILLS

HARD SKILLS					SOFT SKILLS	
• React js	• HTML	• CSS	• JavaScript	• Node js	• Communication	• Time Management
• Java	• PHP	• Python	• MySQL	• Bootstrap	• Problem solving	• Leadership
• AWS	• Azure	• Git	• Mongo DB	• Unit Testing	• Self motivated	• Creativity
• Continuous Integration (CI)					• Initiative	• Team Work

PROJECTS

University Research - Holistic Approaches to Monitoring Dementia Progression Beyond Cognitive Measures

- Developed a **CNN-based voice recognition model**, trained on **Google's Mini Speech Commands** dataset.
- Transformed audio into **spectrograms** using STFT, with data augmentation to improve model accuracy and robustness.
- Trained the model on **Google Colab (CPU) for 2 hours** and achieved high accuracy in classifying dementia-related speech patterns.
- Integrated the model into a **Flask-based backend**, with voice input captured via a **Java-based Android app (Android Studio)**.
- Enabled real-time communication between frontend and backend using **HTTP requests** for prediction results.

Hotel Management System

- Developed the Transportation and Tourism module of a Hotel Management System using the **MERN stack (MongoDB, Express.js, React.js, Node.js)**.
- Integrated MongoDB for scalable and efficient handling of **booking, vehicle, and tour package data**.
- Designed and tested **RESTful APIs with Postman**, ensuring robust functionality

Online Food Ordering Web Application

- Developed a full-stack online food ordering app with **React.js (frontend) and Spring Boot (backend)**.
- Used **Firebase** for real-time data syncing, authentication
- Designed and consumed RESTful APIs for **managing users, posts, and social interactions**.

CERTIFICATIONS

Front-end Web Development

- Certificate course at University of Moratuwa

Bootstrap and JavaScript and Python Stack Course

- Udemey Courses

Frontend Web Development With JavaScript and React js

- Shape AI

Python for Beginners

- Certificate course at University of Moratuwa

Web Design for Beginners

- Certificate course at University of Moratuwa

Backend web development using Nodejs and Express

- Shape AI

EXTRA CURRICULAR ACTIVITIES

Senior Team Leader and Manager (IR x M)

- AIESEC in SLIIT | 2023 - 2024

Member

- LEO Club of SLIIT | 2022 - 2024

REFERENCES

Mr. Nelum Amarasena

Senior Lecturer - SLIIT

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SSE - Spark Global Solution (Pvt) Ltd

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