



Tharusha Rajith Singh

Software Engineer

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I am an enthusiastic, motivated, dedicated, and self-driven graduate, possessing exceptional technical and analytical skills in the field of IT with quick learning abilities and higher adaptability skills. Further, I am a good team player, contributing to the ongoing success of the organization, and looking forward to obtaining a challenging role that fosters innovation and helps improve my interpersonal skills.

Experience

Software Engineer

2024 - Present

Arrogance Technologies (Pvt) Ltd.

- Collaborating with development and operations teams to streamline development cycles and improve release management.
- Contributing to the design and implementation of industrial automation solutions, integrating software components for improved efficiency and productivity.

Software Developer Intern

2022 - 2023

Ceylon Petroleum Corporation

- Participated in the development of internal software applications, focusing on coding and debugging.
- Actively involved in project planning and management, working closely with senior developers and stakeholders to understand requirements and deliver solutions on time.
- Enhanced technical skills in various programming languages and software development tools, contributing to complex projects and gaining practical industry experience.

Education

Master of Science in Information Technology (MSc IT)

2024 - Present

Sri Lanka Institute of Information Technology (SLIIT), Malabe, Sri Lanka
(Reading)

Bachelor of Science (Hons) in Information Technology, Specialized in Information Technology

2020 - 2024

Sri Lanka Institute of Information Technology (SLIIT), Malabe, Sri Lanka
(Graduated)

Bachelor of Science (Hons) in Information Technology

2022 - Present

University of Moratuwa, Sri Lanka
(Reading, Selected for the academic year 2020/2021)

Diploma in Human Resources Management

2022 - 2023

IMBS Green Campus, Sri Lanka
(Completed)

Bandaranayake Central College, Veyangoda, Sri Lanka

- Information & Communication Technology – A
- Electrical, Electronic & Information Technology – B
- Mathematics – C
- General English – B
- General Information Technology – A
- Passed Physics and Combined Mathematics with ICT.

Project Experience

Online Bank Transaction Processing System (OBTPS)

RM Parks (Pvt) Ltd

Developed a system to track online bank transactions for dealers and fuel station owners, integrated with the Bank of Ceylon (BOC) and Ceylon Petroleum Storage Terminal Ltd (CPSTL). Implemented SAP automation through OBTPS, with real-time email and SMS notifications.

Technologies: .NET, VB, Node.js, Microsoft SQL Server.

Human Resource Management System

Arrogance Technologies (Pvt) Ltd

Built a fully automated HR system for employee attendance tracking (using fingerprint), leave management, approvals, and report generation. Integrated with attendance and HR automation.

Technologies: Laravel, MySQL, Node.js.

Online Bank Transaction Processing System (HSBC Integration) [Ongoing Project]

RM Parks (Pvt) Ltd

Integrated HSBC Bank API to track dealer transactions, linking it to the existing RM Parks Online Bank Transaction Processing System.

Technologies: Node.js, Microsoft SQL Server.

Official Website Design

Ceylon Petroleum Corporation

Designed the official website to enhance the corporation's aesthetic appeal and user interface, created for award purposes.

Technologies: WordPress.

Tenders Management System

Ceylon Petroleum Corporation

Developed a robust tender management system to streamline the tendering process.

Technologies: Laravel, MySQL.

Official Website Design

Trico Petroleum Terminal (Pvt) Ltd

Developed and launched the official website, improving user experience and presenting key information effectively.

Website Maintenance and Operations

Ministry of Health (MOH)

Maintained and operated the website for the Ministry of Health.

Website Maintenance and Operations

Ministry of Health - Indigenous Medicine Section

Maintained and operated the website for the Ministry of Health's Indigenous Medicine Section.

Research

eRail: An Automated Solution for Railway Conceptual Modernization and Expansion System

Conducted research to modernize Sri Lanka's railway network by proposing the integration of tablet signal and semaphore management processes. Developed a cost-effective web application to automate manual signaling, reducing delays and enhancing operational efficiency. Collaborated with Sri Lanka Railways to explore machine learning for recommending optimal train exchange stations, aiming to further optimize operations and minimize delays.

Publications

RailTechX: Advancing Railway Modernization and Expansion Solution

Published in: 2023 4th International Informatics and Software Engineering Conference (IISEC)

Conference Date: 21-22 December 2023

Conference Location: Ankara, Turkiye

Date Added to IEEE Xplore: 19 January 2024

Publisher: IEEE

DOI: 10.1109/IISEC59749.2023.10391039

Published at the International Informatics and Software Engineering Conference, the research paper "RailTechX: Advancing Railway Modernization and Expansion Solution" focuses on enhancing Sri Lanka's railway system. Innovations include digitalized semaphore signaling, web-based applications, and machine learning for efficient train booking. The research aims to improve reliability, security, and overall travel experience. Notably, a virtual tour feature engages travelers with tourism attractions, and a sales-based approach addresses financial concerns, ensuring both passenger satisfaction and economic sustainability.

Extracurricular Activities

- Successfully obtained Visharad in Vocal Classical Music at Bhatkhande Sangit Vidyapith, Lucknow, India.
- Served as Senior Prefect of the Prefects' Guild at Bandaranayake Central College.

Personal Skills

- Adaptability
- Teamwork
- Leadership
- Quick Learning
- Communication
- Problem-Solving

Languages

Sinhala - Native

English - Professional Proficiency

Hindi - Basic

References

Mr. D.Lakshitha Perera
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I hereby declare that the above particulars furnished by me, are true and correct to the best of my knowledge and belief



W.M.T.R.SINGH