



# Thushan D. Fernando

## Software Engineer

As an enthusiastic undergraduate at the University of Moratuwa, I am passionate about creating innovative solutions that enhance daily life. With a collaborative leadership style, I thrive in dynamic teams and continuously seek opportunities to learn and grow. Eager to start my career as a software engineer, I look forward to contributing to the ever-evolving IT landscape.

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[\(+94\) 71 69 96 901](tel:+94716996901) [\(+94\) 71 60 41 735](tel:+94716041735) [Anuradhapura](#)

### EDUCATION

#### Bachelor of Science with honours in Information Technology

- University of Moratuwa
- CGPA: 3.79**
- Dean's List Semesters:  
- **S1: 3.97 | S3: 4.00 | S4: 3.80**
- Expected Graduation: 2025

#### Higher National Diploma in Computing

- Esoft Metro Campus
- 2017 - 2020

#### Cambridge English Certificate

- English Level 1 (B2)
- Nov - 2020

#### GCE Advanced Level

- Com. Math.s | Physics | ICT
- Z-score: 1.5114
- Central College A/pura
- Aug / 2019

### EXTRA CURRICULAR

#### President - INTECS, Information Technology Society

University of Moratuwa  
2024 - Present

#### Jr. Treasurer - ITFSU, IT Faculty Students' Union

University of Moratuwa  
2024 - Present

#### Main Batch Representative

Batch 20  
Faculty of Information Technology  
University of Moratuwa  
2023 - 2024

#### Member - National Army Cadet Corps

Participated in Rantambe training program in 2015, 2016 and 2018

### EXPERIENCE

#### WSO2 Lanka (Pvt) Ltd

Jan 2024 - June 2024

##### Software Engineer Intern

- Contributed to enterprise-level projects as a member of the Micro Integrator (MI) team, gaining hands-on experience in software development, integration, and API management.
- Developed innovative solutions using cutting-edge technologies, including Java, Ballerina, ReactJS, and OpenAI APIs.
- Engaged in designing and implementing features, testing, debugging, and optimizing software for high performance and reliability.
- Enhanced skills in collaboration, agile development, and enterprise software lifecycle management in a dynamic and supportive work environment.

#### Esoft Metro Campus - Anuradhapura

Oct 2019 - May 2021

##### Assistant Lecturer

- Taught core IT subjects to Diploma in Information Technology students.
- Delivered lectures, practical sessions, and project guidance.
- Fostered student understanding of IT fundamentals.

### PROJECTS

#### Intelligent Mediator for OpenAI Integration

May 2024 - June 2024

Designed and developed the Intelligent Mediator which integrates WSO2 Micro Integrator with OpenAI. It sends prompts and payloads to OpenAI and retrieves responses in various formats, including JSON and XML. The mediator enables AI-driven tasks such as JSON-to-XML conversion, payload transformations, and text summarization, significantly enhancing the Micro Integrator server's flexibility and enabling new integration capabilities beyond traditional mediators.

**Role:** Full-Stack Developer

XML

Java

OpenAI

Micro Integrator

#### Connector Metadata Synchronization System

April 2024 - May 2024

Automated the synchronization of connector metadata between the Connector Store and the VS-Code plugin, addressing issues of data inconsistency. Designed and implemented Python scripts and GitHub Actions to automate metadata updates across multiple repositories, ensuring real-time synchronization and improving the overall reliability and efficiency of the connector management process.

**Role:** Back-End Developer

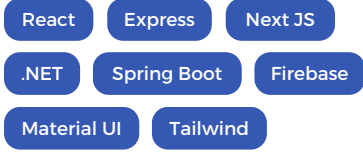
Python

## TECHNICAL SKILLS

### Programming Languages



### Web Technologies



### Mobile Development



### Database



## NON TECHNICAL SKILLS

- Teamwork
- Leadership
- Teaching
- Public Speaking
- Time Management

## INTERESTS

- Travelling
- PC Gaming
- AI Technologies
- Music
- Robotics

## LANGUAGES

- Sinhala - Native
- English - Intermediate

## NON-RELATED REFEREES

### Dr. Lochandaka Ranathunga

Senior Lecturer

Faculty of Information Technology

University of Moratuwa

Email: lochandaka@uom.lk

Mobile : +94 71 220 70 30

### Mr. Rosen Silva

Technical Lead

WSO2

Email : rosens@wso2.com

Mobile : +94 71 520 88 39

## PROJECTS CONTD.

### MI VS-Code Extension

Feb 2024 - April 2024

Contributed to the development of Visual Studio Code extension to replace the legacy Eclipse-based WSO2 Integration Studio, offering a more modern, lightweight, and efficient development environment. Contributed to features such as managing scheduled tasks, endpoint configurations improving the overall developer experience and productivity.

**Role:** Full-Stack Developer

ReactTS

Extension Development

Micro Integrator

### EagleEye - Gate Management Platform

Nov 2024 - Present

ONGOING

Developing a gate management application for a client to streamline entry and attendance processes for medium-to-large scale events. The app incorporates QR based access control, real-time data synchronization, and enhanced security measures to improve operational efficiency and provide a seamless attendee experience.

**Role:** Full-Stack Developer

ReactJS

NodeJS

MySQL

### Swashakthi Website Development

Nov 2024 - Present

ONGOING

Developing a website for Swashakthi, a women's organization that promotes self-reliance through self-employment. The website aims to enhance the organization's branding, showcase its products, and improve its visibility, all while empowering women entrepreneurs. This is a client project, where I am responsible for the design, development, deployment, and maintenance of the site.

**Role:** Full-Stack Developer

ReactJS

Firebase

### CRM for 99x

Jan 2023 - June 2023

Developed a CRM application as a second-year software project for 99x, focusing on enhancing customer relationship management. As the team leader and full-stack developer, I led the development of key modules, including the Payment Gateway, Dashboard (admin | customer | tech-lead), and End-user management, along with UI/UX design, ensuring a seamless user experience and efficient functionality.

**Role:** Full-Stack Developer

ReactJS

.NET 7

MS SQL

## ACHIEVEMENTS AND PARTICIPATIONS

### CodeRush 2023 - Hackathon of IT Faculty

Nov 2023

- Main Coordinator
- Organized by INTECS, Faculty of Information Technology

### Bashway 2023 - Scripting and Automation Competition

Oct 2023

- 7th Place
- Organized by SLIIT FOSS Community

### RealHack 4.0 - Inter University Hackathon

Feb 2023

- 34th Place
- Organized by University of Kelaniya

### Hackmoral 5.0 - Hackathon for 2nd year undergraduates

Jan 2023

- Contributed to questions moderating
- Organized by INTECS, Faculty of Information Technology

### CodeRush 2022 - Hackathon of IT Faculty

Nov 2022

- Merit Award - 7th Place