



Tharindi Wimalajeewa

Engineering Fresh Graduate | University of Moratuwa



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Colombo



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PROFILE

A dedicated and an enthusiastic engineering fresh undergraduate with a passion towards **Software Engineering and IT industry**. Possesses a solid foundation in software engineering principles and programming languages. A quick learner and team player with excellent communication skills, eager to gain hands-on experience and apply knowledge to contribute to organizational goals.

WORK EXPERIENCE

Instructor at Centre for Open and Distance Learning (CODL), University of Moratuwa

September 2024 - Present

- LMS Project: Assisted with the documentation of the New Learning Management System (LMS) project at the University of Moratuwa, enhancing functionality for 1000+ users. Gained exposure to ReactJS and REST API handling.
- Course Coordination: Assisted in managing and coordinating BIT and UOM Open Learning course activities.
- Curriculum Development: Contributed to designing and updating course materials in BIT

Technical Engineer at Synopsys Lanka (Pvt) Ltd (Internship) - Hybrid Mode

January 2023 - June 2023

Actively contributed to two impactful projects during the internship in the Research and Development (R&D) division.

Project 1: Re-architecture process

- Collaborated with a diverse global team, to redesign a system architecture.
- Gained hands-on experience in debugging, C++ programming, and Linux.
- Utilized tools such as Jira Platform, Code Collaborator, Citrix Workspace, and Perforce Version Control System.

Project 2: Random Testing Methodology

- Enhanced technical skills in Python programming, OOP concepts, and xform development.
- Worked with System Verilog and the Synopsys VCS tool to test and validate systems.

EDUCATION

Bachelor of Information Technology (BIT) (External)

August 2024 – Present

Faculty of Information Technology, University of Moratuwa, Sri Lanka

BSc.Eng.(Hons) in Electrical Engineering

December 2019 – Aug 2024

Department of Electrical Engineering, Faculty of Engineering, University of Moratuwa

- GPA – 3.60 (85.71%) (Second class upper division)
- Dean's list in semester 2, semester 4 and semester 8

Minor Degree in Entrepreneurship

December 2019 – Aug 2024

Faculty of Business, University of Moratuwa - GPA of 3.82 (First class)

G.C.E. Advanced Level Examination – Physical Science Stream

2018

- Passed with 3 A's (Merit Pass) (General English:A) : Z - score : 2.1662
- District Rank : 6 and Island Rank : 260 out of 300,000 candidates

G.C.E Ordinary Level Examination

2015

- Passed with 9 A's (Including English:A, English Literature:A)
- District Rank : 6

RELATED MODULES STUDIED AS AN UNDERGRADUATE

- Programming Fundamentals: A
- Digital Electronics: A
- Basic Electronics: A-
- Linear Algebra: A
- Graph Theory: A
- Methods of Mathematics: A+
- Computer Systems: A-
- Calculus: A
- Robotics and Mechatronics: A-

PROJECTS

- **Re-Architecture Process (During internship)** - Collaborated with a global team to redesign and optimize system architecture, gaining experience in debugging and software development.
Technologies & tools used – C++, Linux, Jira, Code Collaborator, Citrix Workspace, Perforce
- **Random Testing Methodology | 2023** - Enhanced technical skills through Python programming, OOP concepts, and xform development, validating systems using Verilog tools.
Technologies & tools used – Python, OOP, System Verilog, Synopsys VCS
- **Multi-Clipboard Manager** - A Python script that allows users to store multiple items in a clipboard using key-value pairs, enabling easy saving, loading, and listing of clipboard contents via command-line commands.
Technologies Used: Python, JSON
- **Interactive Weather Web App** - An interactive web application displays real-time weather information for any city. Users can enter a city name in the search bar and view the weather data, including temperature, description, humidity
Technologies used – HTML, CSS, JavaScript, React, OpenWeatherMap API
- **Book World Website** – A dynamic bookstore website with features such as navigation, category pages, contact forms, and an embedded Google Map for location tracking. The site includes best-selling books, new arrivals, and newsletter subscriptions, offering an engaging user experience.
Technologies used – HTML, CSS, JavaScript
- **Student Management System** - A full-stack application for managing student data, allowing CRUD operations such as adding, editing, and deleting student details
Technologies used - MongoDB, Express.js, ReactJS, Node.js
- Smart Blind Stick (Semester 3 group project) | 2021 - Received grade: A+
- Accident Prevention and Tracking System (Semester 4 individual project) | 2022 - Received grade: A
- Automated Guided Vehicle for smooth transportation (Final year group project) | 2024 - Received grade: A

TECHNICAL SKILLS

- **Programming Languages** - Python, C++, Java
- **Web Development** - HTML, CSS, JavaScript, Node.js, Express.js
- **Database** - MySQL, MongoDB
- **Frameworks & Libraries** -
- **Version Controlling and Project Management** - Git/ Github, Perforce, Jira
- **IDEs** - VSCode
- **OS** - Windows, Linux

CERTIFICATIONS AND OTHER QUALIFICATIONS

- **Trainee- Full Stack Developer Course offered by University of Moratuwa | 2023-2024**
Trainee- Full Stack Developer - [Python for Beginners](#)
Trainee- Full Stack Developer - [Python programming](#)
Trainee- Full Stack Developer - [Web Design for Beginners](#)
Trainee- Full Stack Developer - Front-End Web Development
Introduction to Software Quality Assurance
- [Python for Data Science, AI & Development](#) by IBM, through Coursera
- [Introduction to Generative AI](#) by Google Cloud, through Coursera
- [Python Certification](#) by HackerRank
- [Problem Solving Certification](#) by HackerRank
- [ReactJS](#) by Simplilearn

ACHIEVEMENTS

- **Dean's List - Department of Electrical Engineering, University of Moratuwa**
 - Semester 2 - 4.01 GPA
 - Semester 4 - 4.03 GPA
 - Semester 8 - 3.86 GPA
- **LevelUp Intern project competition** - Participant - **Awarded by Synopsys, Sri Lanka**
- **Mahapola' Higher Education (Merit) Scholarship Award** - **Awarded by the Government of Sri Lanka**
 - Granted scholarship scheme for exceptional performance in G.C.E. A/L - 2018 by the Ministry of Education, Sri Lanka.

PUBLICATIONS

- **Automated Guided Vehicle for Carrying Carts**
Conference: Engineering Research Unit Symposium (ERUS) 2023 - DOI: <https://doi.org/10.31705/ERU.2023.15>

EXTRACURRICULAR ACTIVITIES

- Electrical Engineering Society (EESoC) of University of Moratuwa | 2023
Actively participated as a student member in organizing events including EESoc AGM (2022-2023)
- Participated as an event coordinator in NextGen Debator Series | 2021
- "Soyuru Sathkaraya" O/L mathematics support seminar series organized by University of Moratuwa | 2019,2020 Actively participated in the seminar series at Sangilikanadarawa School, Anuradhapura

SOFT SKILLS

- | | |
|-----------------|-------------------|
| • Self-learning | • Teamwork |
| • Adaptability | • Leadership |
| • Perseverance | • Problem Solving |

INTERESTS

- | | |
|---------------------------|-------------|
| • Problem Solving | • Badminton |
| • Programming | • Swimming |
| • Artificial Intelligence | |

LANGUAGES

- English: Fluent
- Sinhala: Fluent
- Tamil: Basic

REFEREES

- **Engineer Chanaka Hangilipola**
Manager, Research and Development Division, Synopsys Lanka (Pvt) Ltd.
Email: chanakah@synosys.com
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- **Prof. Buddhika Jayasekara**
Senior Lecturer, Department of Electrical Engineering, University of Moratuwa
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