



# Tharindi Wimalajeewa

## BSc. (Hons) Engineering | University of Moratuwa

+9471 5181340

tharindinw@gmail.com

Colombo

Tharindi Wimalajeewa

github/TharindiWimalajeewa

TharindiWimalajeewaPortfolio

Tharindi

### TECHNICAL SKILLS

- **Programming Languages -**
  - Python
  - Java
  - C++
  - Arduino
- **Web Development -**
  - HTML
  - CSS
  - JavaScript
  - PHP
- **Database -**
  - MySQL
  - MongoDB
- **Frameworks -**
  - Vue.js
  - React.js
  - Spring Boot
- **Version Controlling -**
  - Git/ Github
  - Perforce
- **Project Management -**
  - Jira
  - Trello
- **IDEs -**
  - VSCode
  - Visual Studio
- **OS -**
  - Windows
  - Linux

### SOFT SKILLS

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

### RELATED MODULES STUDIED

- Programming : A
- Digital Electronics: A
- Basic Electronics: A-
- Linear Algebra: A
- Graph Theory: A
- Methods of Math.: A+
- Computer Systems: A-
- Calculus: A
- Robotics : A-

### PROFILE

A driven Engineering graduate with hands-on experience as a Software Engineering Intern, specializing in Java (Spring Boot) and Vue.js. Strong foundation in full-stack development and collaborative problem-solving, with a focus on building software solutions. A fast learner and effective communicator, eager to contribute to impactful projects and grow as a Software Engineer in a dynamic development environment.

### WORK EXPERIENCE

#### Intern Software Engineer at Sri Lanka Telecom Services (Ltd)

May 2025 - Present

##### Core Banking System Development & Support project:

- Developed front-end forms (Vue.js) and back-end modules (Spring Boot) for a national-level core banking platform.
- Integrated RESTful APIs to streamline data flow between services.
- Assisted in banking system support, debugging issues, and optimizing performance.

#### Instructor, Faculty of IT, University of Moratuwa

Sep 2024 - Apr 2025

- Assisted in the development of course materials for the Bachelor of Information Technology program.
- Developed course materials Open uom platform.
- Supported LMS documentation and user training for over 1,000+ students and staff.

#### Technical Engineer, R&D, Synopsys Lanka (Pvt) Ltd (Internship)

Jan 2023 - June 2023

- Re-architected existing system components, improving code modularity and maintainability.
- Developed Python-based Xform test scripts for RTL verification using SystemVerilog and Synopsys VCS.
- Collaborated with global teams, gaining hands-on experience in C++, Linux, and version control using Perforce.

### EDUCATION

#### BSc. (Hons) in Electrical Engineering

Dec 2019 – Aug 2024

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

#### Bachelor of Information Technology (BIT) (External)

Aug 2024 – Present

Faculty of Information Technology, University of Moratuwa, Sri Lanka

- CGPA - 3.93 (98.25%)
- Dean's list in semester 1, 2
- Diploma level completed

#### Minor Degree in Entrepreneurship

Dec 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, Tamil:A)
- District Rank : 6

## 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), University of Moratuwa - Student Member** - Actively participated in organizing departmental events
- **Soyuru Sathkaraya" O/L Mathematics Seminar Series - Volunteer Tutor** - Contributed to community outreach by teaching and supporting students in rural schools
- **All Island Tamil Oratorical Competition - 4th Place** - Represented school in a national-level competition

## REFEREES

- Prof. Buddhika Jayasekara  
Senior Lecturer,  
Faculty of Engineering,  
University of Moratuwa.  
Email: [buddhikaj@uom.lk](mailto:buddhikaj@uom.lk)
- Engineer Chanaka Hangilipola  
Manager, Research and Development Division,  
Synopsys Lanka (Pvt) Ltd.  
Email: [chanakah@synopsys.com](mailto:chanakah@synopsys.com)  
Phone: +94 76 3598399

## PROJECTS

- **Banking system** - Contributed to the development of a banking application, focusing on both front-end functionality and user interface improvements. Collaborated with back-end developers to integrate REST APIs and ensure seamless data flow.  
**Technologies & tools used: Vue.js, SpringBoot, Git**
- **Re-Architecture Process** - Redesigned and optimized a system architecture, gaining experience in debugging and software development. Conducted debugging and code validation for C++ systems, collaborating with a global team to identify and fix defects.  
**Technologies & tools used: C++, Linux, Jira, Code Collaborator, Citrix, Perforce**
- **Random Testing Methodology** - Developed and executed automated test scripts to validate RTL designs using Python and System Verilog. Used Synopsys VCS tool for test execution and result analysis.  
**Technologies & tools used: Python, OOP, System Verilog, Synopsys VCS**
- **ProjectPilot – Desktop Project Management Tool** - developed a desktop project management system to support small teams. Implemented task boards with checklists, member assignment, and priority tags and enabled role-based functionalities and project progress tracking.  
**Technologies and tools used: C#, SQL, Visual Studio**
- **Interactive Weather Web App** - Developed an interactive web application that displays real-time weather information for any city. Users can enter a city name in the search bar and view the weather data.  
**Technologies & tools used: HTML, CSS, JavaScript, OpenWeatherMap API**
- **Automated Guided Vehicle (Final Year Group Project) | Received grade: A (Team leader)** - Designed and physically implemented an Automated Guided Vehicle (AGV) capable of transporting loads smoothly  
**Technologies & tools used: ATmega2560 Microcontroller, Raspberry Pi microcontroller, Python, DC Motors, Actuators**
- **Smart Blind Stick for visually impaired people**
- **Accident Prevention and Tracking System**
- Other Projects - [Link](#)

## CERTIFICATIONS AND OTHER QUALIFICATIONS

- **Trainee- Full Stack Developer Course offered by University of Moratuwa**  
[Python for Beginners](#), [Python programming](#), [Web Design](#), Front-End Web Development
- **[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
- **[SQL Certification](#)** by HackerRank

## ACHIEVEMENTS

- **Dean's List - Faculty of Information Technology, University of Moratuwa**
  - Semester 1 - 3.86 GPA, Semester 2 - 4.00 GPA
- **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 Gov of SL
  - Granted scholarship scheme for exceptional performance in G.C.E. A/L - 2018 by the Ministry of Education, SL.