



# THAMINDU WEERASINGHE

## IT UNDERGRADUATE | DATA SCIENCE & FULL-STACK DEVELOPMENT

**LinkedIn:** [linkedin.com/in/thamindu-weerasinghe-6b2aa3342](https://www.linkedin.com/in/thamindu-weerasinghe-6b2aa3342)

**GitHub:** <https://github.com/Tnadeeja>

**Portfolio:** <https://thaminduweerasinghe-portfolio.vercel.app/>

**Phone:** +94 76 582 6516 | **Email:** nadeejatw@gmail.com

## SUMMARY

Undergraduate in Data Science with a solid understanding of programming, data-driven systems, and full-stack development of applications. Skilled at creating real-world applications using modern web and mobile development technologies. Familiar with programming languages such as Python, data analysis tools, and scalable software development methodologies. Currently, learning the fundamental skills required to become proficient in statistical modeling, data warehousing, and analytics, and at the same time, applying the learning to real-world applications through academic and personal projects. A motivated learner with a practical mindset, eager to write clean code, tackle real-world problems, and become a data-driven software professional.

## SKILLS

**Programming Languages:** Python, Java, JavaScript, C, SQL, PHP

**Web & Full-Stack Development:** HTML, CSS, Tailwind CSS, React.js, Next.js, Node.js, Express.js

**Data Science & Analytics:** NumPy, Pandas, Matplotlib, Power BI (data visualization & dashboards)

**Databases:** MySQL, MongoDB, Database design & querying

**Tools & Platforms:** Git, GitHub, VS Code, Visual Studio, Android Studio, SQL Workbench, Power BI, RStudio

## EDUCATION

**Advanced Level - Combined Maths, Physics and Chemistry**

**2021**

Harischandra National College, Negombo, Gampaha District, Western Province, Sri Lanka

**BSc (Hons) in Information Technology Specializing in Data Science**

**2023 - Present**

Sri Lanka Institute of Information Technology (SLIIT)

## CURRENT ACADEMIC FOCUS (YEAR 3 - SEMESTER 1)

Currently building strong foundations in data science, analytics, and software systems through the following core modules:

- Theory and Practices in Statistical Modeling
- Data Warehousing and Business Intelligence
- Programming Applications & Frameworks
- Database Systems and Data-Driven Applications

## ACADEMIC PROJECTS

### Personal Portfolio Website

- Creating a responsive portfolio to display and summarize full-stack or data-centric projects.
- Provides users with support for dark and light modes, offers smooth animations, allows for easy navigation by recruiters.

*Tech:* Next.js, React, Tailwind CSS, Framer Motion

*GitHub:* <https://github.com/Tnadeeja/NadeejaPortfolio>

### **Full-Stack E-Commerce Platform (MERN Stack) - Group Project**

- Created an ready-to-go online retail site encompassing three distinct user cases: customer, administrator, delivery person.
- Built complete business workflows including order processing, inventory management, delivery tracking, returns, and refunds
- Integrated multiple payment methods: Cash on Delivery, Bank Transfer (with slip upload), and card payments (PayHere – sandbox).

*Tech: React, Node.js, Express.js, MongoDB, Docker, Nginx*

*GitHub: <https://github.com/SupunKalharaJayasinghe/clothing-ecommerce>*

### **BrightWell – Personal Wellness & Habit Tracker (Android)**

- Built an Android application to help users track daily habits, moods, and hydration.
- Implemented habit streaks, progress tracking, mood journaling with emoji selection, and background hydration reminders.
- Used SharedPreferences with Gson for local data persistence following an MVVM-lite architecture.

*Tech: Kotlin, Android Studio, MVVM, SharedPreferences*

*GitHub: <https://github.com/Tnadeeja/BrightWell>*

### **SmartStock - Online Stock Management System - Group Project**

- Developed a web-based inventory and stock management system for businesses.
- Implemented role-based access for Admin, Stock Manager, Sales Manager.
- Supported stock purchasing, outgoing inventory, returns, supplier/customer management, and report generation.
- Applied MVC architecture and core OOP principles for scalable system design.

*Tech: Java, MySQL, HTML, Tailwind CSS, JavaScript*

*GitHub: <https://github.com/Tnadeeja/SmartStock>*

### **BMI Calculator - Web Application**

- Built a responsive web application to calculate BMI with interactive visual feedback.
- Focused on clean UI, mobile responsiveness, and vanilla JavaScript logic.

*Tech: HTML, CSS, JavaScript*

*GitHub: <https://github.com/Tnadeeja/BMI-Calculator>*

### **Online Teacher Trainer Web Application - Group Project**

- Designed and implemented responsive front-end interfaces using HTML, CSS, and JavaScript.
- Developed backend functionalities with PHP and MySQL, including user authentication, role-based access control, and course management.

*Tech: HTML, CSS, JavaScript, PHP, MySQL*

*GitHub: [https://github.com/LakviduUpasara/Teach\\_wave\\_ELMS](https://github.com/LakviduUpasara/Teach_wave_ELMS)*

## **CERTIFICATIONS & PROFESSIONAL LEARNING**

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- **Power BI for Beginners** - Microsoft
- **Python Programming** - University of Moratuwa
- **Python for Beginners** - University of Moratuwa
- **AI/ML Engineer Stage 1** - SLIIT
- **AI/ML Engineer Stage 2** - SLIIT

## **REFERENCES**

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### **Prof. Dhammika Weerasinghe**

Dean of Faculty of Computing and Technology,  
University of Kelaniya.

Phone: +94 71 960 7455

Email : hesiri@kln.ac.lk

### **Dr. J.S.N.P. Dharmawardena**

Deputy Director of Department of Census and  
Statistics.

Phone: +94 71 488 6869 /+94 76 787 1275

Email : priyadarshanasstn@gmail.com