

# SANDANI WIMALAWEERA

IT UNDERGRADUATE

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🌐 [sandaniwimalaweera](#)

## ABOUT ME

An IT undergraduate specializing in software engineering and data science. Skilled in Python, Java, SQL, C++, Node.js and React.js. Experienced in AI-driven career guidance systems, database management, and full-stack development. Passionate about using data insights and scalable applications to solve real-world problems.

## EDUCATION

### DEPARTMENT OF INDUSTRIAL MANAGEMENT, FACULTY OF SCIENCE, UNIVERSITY OF KELANIYA

Bachelor of Science Honours in Information Technology

Current GPA 3.54

2023 - Present

### CENTRE FOR OPEN AND DISTANCE LEARNING (CODL) UNIVERSITY OF MORATUWA

Full Stack Developer Course (Front End Web Development / Server side Web Programming / Python Programming)

2022

### INFORMATION TECHNOLOGY DISTANCE LEARNING HUB

Certificate in Web Design and Development

2022

## PROJECTS

### WEB DESIGN AND DEVELOPMENT

#### Cloth Thrifting Web Based Platform

Developing a web-based clothing thrifting platform where sellers can list second-hand clothes and buyers can browse, purchase, and donate items. Implemented user authentication, seller and buyer dashboards, and a donation feature.

Technology used: React JS, Node JS/Next JS

2024 - Present

#### Web Application for Book Shop

Developed a web application for book inventory and user management, enabling seamless book addition, updates, and tracking. Integrated secure user registration with role-based access control to enhance system security and usability.

Technology used: HTML, CSS, JS, Bootstrap, PHP

2024

#### Web Application for Hotel

Developed a web application for hotel management, enabling seamless room booking, guest check-in/check-out. Integrated secure user registration with role-based access control to enhance system security and usability.

Technology used: HTML, CSS, JS, Bootstrap, PHP

2022

#### C++

Snake CLI Game using C++ with OOP principles

Technology used: C++

2023

### JAVA WITH MYSQL

#### Pharmacy Management System

Developed a Pharmacy Management System for efficient medicine inventory and sales management.

Technology used: MySQL, Java

2023

### MOBILE APPLICATION

#### Recipe application

Developed a mobile application for managing and sharing recipes, allowing users to search, add, and categorize recipes.

Technologies used : Java

2024

Cross-Platform Work Calculator Application

Designed and developed a cross-platform calculator app for Android and iOS.  
Technology used : Flutter

2024

AI CAREER PATH GUIDANCE

Developed an AI-driven career path guidance system. The system provides personalized career recommendations based on user skills and preferences.  
Technology used : Python

2024

RESEARCH

Conducting a study on Business Perspectives on the Effectiveness of Sri Lanka's Tourism Development Strategies

2024

CERTIFICATIONS

Certification for Web Design and Development

Learned HTML, CSS, JavaScript, Bootstrap  
Information Technology Digital Learning Hub

2022

Completion course for What is Data Science

basics of Data science and how it is used in industries  
by Coursera

2024

Completion course for Tools for Data Science

Tools used in Data Science such as programming environments and frameworks  
(Jupyter Notebook, RStudio, R)  
by Coursera

2024

Completion course for Tools for Data Science, AL and Development

Data Science tools, Introducing AI and Development environments (Python, R for AI and Data Science)  
Cloud Computing for Data Science (AWS, IBM Watson)  
Tensorflow, PyTorch  
by Coursera

2024

Completion course for Tools for Python Project for Data Science

Data Analysis using Pandas & Numpy, Data Visualization with Matplotlib & Seaborn, writing python  
scripts for Automation, Basic Machine Learning Concepts  
by Coursera

2025

TECHNICAL SKILLS

- Python
- Java
- HTML
- JavaScript
- CSS
- PHP
- C++
- MYSQL
- Flutter/Dart
- React JS
- Node JS

EXTRA CURRICULAR ACTIVITIES

Member Of Rotaract Club  
University Of Kelaniya  
  
Member Of Media Unit  
Industrial Management Science Students Association  
Department Of Industrial Management  
Faculty Of Science  
University Of Kelaniya

REFERENCES

Dr. Thilini Mahanama  
Senior Lecturer  
University Of Kelaniya  
  
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W.A.G.I.T Amarasena  
Manager  
Colombo Stock Exchange  
Anuradhapura  
  
Visiting Lecturer,  
Advisory board Member  
University Of Rajarata