# SENULI WANNIARACHCHI

## SOFTWARE ENGINEERING UNDERGRADUATE AT UNIVERSITY OF WESTMINSTER

An ambitious software engineering undergraduate with strong skills in Java, Python, web development, and database management, currently seeking an opportunity in the software industry. I bring hands-on experience from a range of projects, applying my technical expertise in programming, problem-solving, and web design. Eager to contribute to innovative projects, collaborate with professionals, and further develop my skills in a dynamic, real-world environment.

# CONTACTS

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in http://www.linkedin.com/in/senuli-wanniarachchi-767537231

⌂ https://github.com/SenuliWanniarachchi

⌖ Matara

# SKILLS

- Java
- Python
- HTML
- CSS
- JavaScript
- SQL
- React
- Spring Boot
- Node.js

# CO-CURRICULAR ACTIVITIES

- Radio Presenter, Y FM (Jun 2018 – Sep 2018)

- Event Presenter, Sujatha Vidyalaya, Matara (2013-2022)

# EDUCATION

**BEng Software Engineering (Undergraduate)**

**University of Westminster**                    *2023 – 2027*

**BSc (Physical Science)**

**University of Kelaniya**                    *2023 – 2026*

**Sujatha Vidyalaya Matara**                    *2009 - 2022*

GCE O/L: Achieved 9A's

GCE A/L (Mathematics Stream): Achieved B, C, C

# PROJECTS

**Blockchain-Based Digital Identity Verification Platform for Government Services (Developing)**

Developing a blockchain-based identity verification system to enhance security, privacy, and efficiency in government services. The platform leverages decentralized technology to ensure tamper-proof identity management and secure data sharing across agencies, fostering trust in digital services.

# Certifications

**Java Object-Oriented Programming** – *LinkedIn Learning*

Covered topics such as object-oriented principles, inheritance, polymorphism, abstraction, and encapsulation in Java programming

**Python for Beginners** – *University of Moratuwa*

**Postman API Fundamentals Student Expert –** *Postman*

Developed proficiency in using Postman for API testing, including creating and sending API requests, analyzing responses, automating tests, and managing API collections.

**Web Design for Beginners** – *University of Moratuwa*

**Angular Essential Training** – *LinkedIn Learning*

**Learning Spring with Spring Boot** – *LinkedIn Learning*

**Java Masterclass: The Complete Guide -** *Udemy*

**Learning SQL Programming** – *LinkedIn Learning*

**Building Full-Stack Apps with React and Spring** – *LinkedIn Learning*

# REFERENCES

Dr. Lochandaka Ranathunga

Senior Lecturer, Department of IT

University of Moratuwa

**Email:** Lochandaka@itsac.mrt.ac.lk

**Phone: 0774668453**

Mr. Damantha Silva

Lecturer, Informatics Institute of Technology

**Email:** damantha.s@iit.ac.lk

**Phone:** 0742443389

## Community Development & Charity Management Platform (Developing)

Developing a React, Node.js, and MongoDB-powered platform for the Sri Community Development Foundation to manage projects, donations, and volunteer registrations**.** The system enhances charity service coordination, security, and scalability**,** optimizing community engagement and operational efficiency**.**

## Plane Seat Management System    (2024)

Developed a Java-based seat reservation system for a private plane, utilizing arrays and OOP principles for efficient seat tracking. Implemented features like ticket booking, cancellations, total sales calculation, and file-based data storage**,** ensuring reliability and maintainability through rigorous testing and best coding practices.

## Student Progression Prediction System for Academic Institutions (2023)

Developed a Python-based system to predict student progression outcomes based on credit status using conditional logic**.** The program processes multiple student records, visualizes results via a histogram (graphics.py)**,** and stores data for record-keeping. Built with modular functions and clear coding practices**,** ensuring maintainability and accuracy in academic performance analysis.

## Collaborative Web Design Project for SDG 6: Clean Water and Sanitation    (2024)

Developed a dynamic, user-friendly website aligned with UN SDG 6, featuring an interactive user profile, engaging team section with hover effects, and seamless navigation. Designed an editor's page to highlight individual contributions, showcasing expertise in front-end development and collaborative web design.

## Real-Time Event Ticketing System   (2024)

Developed a React and Spring Boot real-time ticketing system using the Producer-Consumer pattern for efficient, concurrent ticket management. Ensured data integrity in a multi-threaded environment with configurable settings and integrated reporting for scalability and performance.

## E-Commerce Website for Cosmetic Products (2025)

Developed a dynamic and responsive e-commerce website for cosmetic products using HTML, CSS, and JavaScript**.** The platform features an intuitive user interface, product catalog with detailed descriptions, an interactive shopping cart, and smooth navigation. Implemented responsive design principles to ensure seamless user experience across various devices.

## Personal Portfolio Website    (2025)

Developed a responsive and interactive personal portfolio website to showcase my skills, projects, and achievements. The website features a modern design, intuitive navigation, and optimized performance, built using HTML, CSS, and JavaScript. It includes sections for projects, certifications, and a contact form to enhance user engagement.