



DUSHAN SENADHEERA



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[Dushan Senadheera](#)



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PROFILE






I'm a self-motivated final-year undergraduate pursuing a B.Sc (Hons) in Software Engineering from NSBM Green University, affiliated with the University of Plymouth, UK. With a strong academic foundation, I specialize in full-stack web application development using the MERN stack. My track record includes successful completion of both academic and freelance projects, demonstrating adaptability, teamwork, analytical skills and a keenness to explore new technologies. Furthermore, my additional knowledge areas include,

- UI/UX Design (Figma)
- Version Control Systems (Git)
- Cloud Computing (AWS)
- DevOps (GitHub Actions, Docker)
- Desktop Application Development (.NET, Java Swing)
- Mobile Application Development (React Native)

PROJECTS | INDIVIDUAL

- **AIDA Japanese Language Institute Website** 
Japanese language institute web site to showcase their services and details.
ReactJS, Mantine UI, AWS Amplify, React18-next
- **Portfolio website** 
Personal portfolio website to showcase details, projects and blogs.
React, TypeScript, SCSS, Mantine UI

PROJECTS | ACADEMIC

- **Movie ticket booking system** 
Web application for a movie theatre with features to browse and book seats for a movie.
ReactJS, NodeJS, Express, MongoDB, JWT, Websockets, GitHub Actions, Docker, Jest, Cypress, PayPal API, NodeMailer
- **Companion (Web/Mobile)** 
Social media like mobile applications for volunteering, charity and fundraising to support the SDG Goals and Admin Dashboard for managing the system.
ReactJS, Flutter, NodeJS, Express, MongoDB, JWT, Material UI, AWS EC2 and Amplify
- **Learning Management System** 
Learning management system mobile application for university students.
Flutter, PHP, MySQL
- **Cinema Application** 
Web application for a movie theatre with features to browse and book seats for a movie.
Java, JSP, Servlets, MySQL, PayPal API, SMTP Server
- **Library Management System** 
Desktop application for managing library tasks.
C#, Windows Form Application, .NET, MS-SQL

- **NiwahanaLK Web Application** [↗](#)

Web application for placing advertisements related to house selling.

PHP, MySQL

- **Automated Hydroponic Greenhouse** [↗](#)

Automated hydroponic greenhouse with a plant monitoring system to automate greenhouse tasks.

C++, Arduino, PHP, MySQL

PROJECTS | FINAL YEAR RESEARCH PROJECT

- **Project Rover (2023 - Present)**

Sri Lanka travel destinations, accommodations and dining places recommending system for local and foreign travellers. Further, this recommendation model can be integrated as a SaaS (Software as a Service) to other applications.

React, TypeScript, SCSS, Mantine UI, NodeJS, Express, MongoDB, Python, Scikit-learn, GitHub Actions, AWS EC2 and Amplify, Google Map API

EDUCATION

- **2021 - Present**

NSBM Green University, Sri Lanka affiliated with University of Plymouth, UK

B.Sc (Hons) Software Engineering

(AGPA - 71%)

- **2005 - 2019**

Dharmapala Vidyalaya Pannipitiya

- GCE Advanced Level 2020
(Physical Science Stream)
- GCE Ordinary Level 2016

CERTIFICATIONS

- **Full-Stack development using MERN (On-going)**

University of Colombo, School of Computing, Sri Lanka

- **AWS Cloud Quest Cloud Practitioner**

Amazon Web Services

- **IBM Cloud Native Full Stack Developer (on-going)**

IBM Corporation

- **NDG Linux Unhatched**

CISCO Networking Academy

- **React & Redux**

Sololearn Platform

- **Web Design for beginners**

University of Moratuwa, Sri Lanka

ACHIEVEMENTS

- **IX - 23 Inter University UI/UX Hackthon**

Informatics Information of Technology (IIT), Sri Lanka

Top 10 finalist from 150 teams

INVOLVEMENTS

- **2022 - 2023**

Research & Development Lead (Brand Marketing)

AIESEC in NSBM

- **2022 - 2023**

**Secretary of NSBM Karate Club
8th Kyu Karate Practitioner**

NSBM Green University, Sri Lanka

REFERENCE

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