

Dushan Senadheera

Software Engineering Undergraduate

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I'm a self-motivated final-year undergraduate software engineer with a strong academic foundation, I specialize in full-stack web application development using the MERN (React, Node, Express, MongoDB) stack with Cloud computing and DevOps exposure. My track record includes completing academic, individual, 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, Kubernetes*)
- Enterprise Application Development (*Java*)
- Mobile Application Development (*React Native*)

Individual Projects

[AIDA Japanese Language Institute](#)

Japanese Language Institute website to showcase their services and details.

ReactJS, Mantine UI, AWS Amplify, React18-next

MASS Group Co LTD Website (In progress)

Company portfolio to showcase their services and details

NextJS, TypeScript, Tailwind CSS, Aceternity UI, i18next, AWS

[Portfolio website](#)

Personal portfolio website to showcase details, projects, and blogs.

React, TypeScript, SCSS, Mantine UI

[React Component Generator](#)

NPM Package to easily create React functional components

React, Node, NPM

[Aurora Grande Hotel \(In Progress\)](#)

Hotel web application to showcase hotel information with admin dashboard to manage hotel reservations

React, Node, Express, MongoDB, SCSS, Material UI, Styled Components, JWT, PayPal API, Nodemailer

Academic Projects

[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](#)

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

[Discoid](#)

Learning management system mobile application for university students.

Flutter, PHP, MySQL

[ABC Cinema](#)

Web application for a movie theatre with features to browse and book seats for a movie.

Java, JSP, Servlets, MySQL, PayPal API, SMTP Server

[NiwahanaLK](#)

Web application for placing advertisements related to house selling.

PHP, MySQL

Library Management System

Desktop application for managing library tasks.

C#, Windows Form Application, .NET, MS-SQL

Green City

Web application for Green Task Force to locate and clear garbage collection around the city.

PHP, MySQL, Google Map API

Automated Hydroponic Greenhouse

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

C++, Arduino, PHP, MySQL

Research Project

Project Rover (2023 - 2024)

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

React, TypeScript, SCSS, Mantine UI, NodeJS, Express, Python, Scikit-learn, GitHub Actions, AWS

Education

2021 - Present

B.Sc. (Hons) Software Engineering

NSBM Green University, Sri Lanka affiliated with
University of Plymouth, United Kingdom

2005 - 2019

Dharmapala Vidyalaya Pannipitiya

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

Certifications

Full-Stack development using MERN

University of Colombo, School of Computing, Sri Lanka

AWS Cloud Quest Cloud Practitioner

Amazon Web Services

IBM Certified Cloud Full Stack Developer

IBM Corporation

Machine Learning Specialization (In Progress)

DeepLearning.AI and Stanford University, California

Master Spring & Springboot with Java (In Progress)

Udemy

Web Design for Beginners

University of Moratuwa, Sri Lanka

Involvements and achievements

IX - 23 Inter University UI/UX Hackthon

Informatics Information of Technology (IIT), Sri Lanka
Top 10 finalists from 150 teams

University double colours - 2022 and 2023

University colours for Karate
NSBM Green University, Sri Lanka

Research & Development Lead (Brand Marketing)

AIESEC in NSBM

Secretary of NSBM Karate Club

7th Kyu Karate Practitioner
NSBM Green University, Sri Lanka
associated with Kensho Karate International

References

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