

Thushan Madarasinghe

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Galle, Sri Lanka

thushanmadu2003@gmail.com
Thushan Madarsinghe

ThushanMadu
personal portfolio website

ABOUT ME

I'm a Computer Science undergraduate passionate about technology, programming, and problem-solving. I have experience in **Web**, **Full-stack**, and **Mobile Development**, along with a grasp of data structures, algorithms, OOP, and software engineering principles. With leadership experience from school and IEEE CS Society projects, I excel in teamwork and project management. I enjoy learning new technologies, exploring ideas, and connecting with diverse people to gain fresh perspectives.

PROJECT

GoviShakthi – Mobile App (**React Native, Node, MongoDB, Express**)

Developing an AI-driven mobile app to help farmers mitigate price drops by recommending value-added products. As the **Front-End Lead**, I build the React Native interface for an intuitive user experience while contributing to backend API development using Node.js and Express.js. The app leverages LLM-based analysis for intelligent product recommendations. Additionally, I oversee team coordination and ensure smooth project execution.

Portfolio Website (**React, CSS**) – thushanmadu.me

Designed and developed a fully responsive personal portfolio website using React and CSS to showcase my projects, skills, and experience. Built a modern UI with smooth animations, reusable components for scalability, and optimized performance for faster load times and better user engagement.

GitHub: [Portfolio Repository](#)

Real-Time Ticketing Platform (**Node.js, React**)

Built a real-time ticketing system to handle concurrent sales efficiently using Node.js worker threads. Implemented the producer-consumer pattern to prevent overselling, integrated WebSockets for live ticket availability tracking, and designed a React.js dashboard with interactive analytics. The backend was developed using RESTful APIs to manage ticket processing and customer interactions.

GitHub: [Real-Time Ticketing Repository](#)

Plane Management System – **Java** Console App

Developed a Java-based console application for managing flight seat reservations as part of my university coursework. The system allows real-time seat booking, cancellations, and ticket tracking, with search functionality for seat details and reporting features. Implemented robust error handling and input validation to ensure a smooth user experience.

GitHub: [Plane Management System Repository](#)

EDUCATION

BSc(Hons) Computer science

University of Westminster - IIT Sri Lanka (2023 - 2027)

Physical Science Advance Level 2023 (2022)

Richmond College Galle.

CERTIFICATIONS & COURSES

- **The Complete Full-Stack Web Development Bootcamp**
Dr. Angela Yu, Developer and Lead Instructor - Udemy
- **React Native - The Practical Guide**
Academind by Maximilian Schwarzmüller - Udemy

KEY COMPETENCIES

- **Front-End Technologies** ReactJS, JavaScript, HTML5 and CSS3
- **Back-End Technologies** Node.js, Express.js
- **Development Languages** Java, Python, JavaScript
- **Mobile App Development** React Native
- **DataBase Technologies** My Sql , Mongo DB

INTERMEDIATE SKILLS

- Able to communicate effectively with others
- Open to new ideas and willing to learn new ways of doing things
- Independent and self-reliant, but also a team player
- A flexible mindset for workplace flexibility
- Able to lead a team and work well in a team

EXTRACURRICULAR ACTIVITIES

President, Richmond College Photographic Society
2023/2024

Senior Crew Member, Richmond Live
2022 - Present

Volunteer IEEE Computer Society IIT
2023 - Present

Volunteer Cutting Edge IIT
2023 - Present

Committee Member - Richmond College IT Society
2022/2023

Member IEEE Student branch IIT
2023 - Present

St.John Ambulance , Richmond College
2014-2021

REFEREES

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