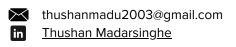
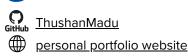
Thushan Madarasinghe







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 Al-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**) – <u>thushanmadu.me</u>

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
- <u>React Native The Practical Guide</u>
 <u>Academind by Maximilian Schwarzmüller</u> 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 Photograpic 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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