

# DULMINI WANIGASEKARA

Computer Science Undergraduate

## ABOUT ME

Motivated Computer Science undergraduate with hands-on experience in Java, React.js, MySQL, and full-stack development. Strong project leadership and teamwork abilities, complemented by national-level sports experience and a creative problem-solving mindset. Passionate about building user-friendly, responsive web applications. Eager to contribute to innovative software engineering teams with adaptability, strong communication, and a commitment to continuous learning.

## CONTACT

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- Colombo, Sri Lanka
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- [github](#)
- [portfolio](#)
- [LinkedIn](#)

## EDUCATION

### INFORMATICS INSTITUTE OF TECHNOLOGY

BSc. in Computer Science  
2024 – present

Foundation Certificate in Higher Education  
2023–2024

### ST. THOMAS GIRLS 'HIGH SCHOOL MATARA

2016 – 2023

## TECH EXPOSURE

### Programming languages

- java
- Python
- JS/TS

### Frontend Frameworks

- React.js
- Next.js
- Tailwind CSS

## PROJECTS

### Story Sound HUB

A full-stack web application that combines property listings with a second-hand book marketplace, featuring property search with filtering, user authentication, an integrated book marketplace with AI chatbot assistance, reviews, purchasing functionality, and a responsive, cross-device design.

**Tech Stack :** React.js, Laravel (PHP), MySQL, Laravel

### ZoomToSpace

Interactive astronomical web application delivering comprehensive space exploration content through multiple tabs showcasing planets, ISS details, astronaut profiles and solar system data. Built with React components utilizing state management and conditional rendering for smooth navigation and engaging visual animations.

**Tech Stack :** React.js, CSS

### Scientific Research Data Management System

A comprehensive data management platform for scientific research, designed with an object-oriented architecture and integrated features such as advanced serialization techniques, an intuitive GUI, scalable data handling capabilities, and robust validation protocols.

**Tech Stack :** Python, JSON

### Climatrix

A responsive weather application delivering real-time forecasts with OpenWeatherMap API integration, with integrated features such as hourly and 7-day weather predictions, temperature, humidity, wind speed, and sunrise/sunset data—presented through a clean, mobile-first UI design.

**Tech Stack :** Next.js, TypeScript, Tailwind CSS, OpenWeatherMap API

### Real Estate Listings Platform

A property search and filtering web platform with dynamic listings and favorites management, integrated features such as an interactive UI with filters for property type, price, bedrooms, date, and location, Google Maps integration, floor plan views, and enhanced security protocols.

**Tech Stack :** React.js, CSS, JSON

## Backend Technologies

- node.js

## Databases

- MongoDB
- MySQL

## Markup & Styling

- HTML
- CSS

## SOFT SKILLS

- Communication
- Team Work
- Creativity
- Leadership skills

## REFERENCE

### Mrs. P. R. H. Sachithra Vinodani Thilakarathne

Assistant Lecturer  
IIT School of Computing  
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+94 71 209 1683

### Miss. Dasuni Dewani Uyanaheewa

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## Java Student Management System

Academic administration application managing student records and information processing. Implements object-oriented programming principles for efficient data handling and administrative operations.

**Tech Stack :** Java, JSON

## Study Focus & Productivity System

Web-based productivity suite combining study tools with relaxation components. Integrates Pomodoro timer functionality, interactive Tic Tac Toe game with 2-player and AI opponent modes, plus cross-device compatibility.

**Tech Stack :** HTML, CSS, JavaScript

## EXTRA CURRICULAR ACTIVITIES

### Represented the Sri Lankan junior karate team

- 1st Runner-up Award 13-14 Female Kumite +40kg 8th International Karate-Do Open Championship 2018 (Malaysia)
- National Black Belt player - 2018

### University and school

- Rugby player (Wing)
- Football player (CAM)
- Athletic - 100m Hurdles / 400m Hurdles and relay team
- Netball player (WA)

### St. Thomas Girls' High School - Matara

- Junior /Senior Prefect - 2020/2021
- Member of dancing, drama team & Eastern Band in school