

DULMINI WANIGASEKARA

Computer Science Undergraduate

ABOUT ME

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

CONTACT

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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

G.C.E. Ordinary Level - 2023

TECH EXPOSURE

- React.js
- HTML/CSS
- java
- MySQL
- Python
- node.js
- Next.js
- .Net
- JavaScript

Projects

Story Sound HUB

Developed the frontend of a real estate listings platform using React.js, ensuring a responsive and user-friendly interface. Designed and integrated MySQL databases to manage property listings, user accounts, search functionalities, book additions, reviews and a book swap feature. Implemented efficient API integrations with a Laravel backend for seamless data retrieval and interaction. Focused on creating an intuitive user experience with interactive filters, detailed property views and book review features ensuring smooth navigation across devices.

ZoomToSpace

Developed a responsive Space Exploration web application using React.js that provides an interactive platform for users to explore astronomical information. The website features multiple interactive tabs showcasing planets, International Space Station details, astronaut profiles and comprehensive solar system information. Implemented React components, state management, and conditional rendering to create a seamless user experience with smooth transitions between different space-related content sections. Enhanced visual appeal through animations and attractive design elements to increase user engagement.

Scientific Research Data Management System

Developed a comprehensive data management platform for scientific research using Python. Implemented object-oriented architecture with advanced serialization techniques and intuitive GUI interface. Successfully delivered scalable data handling solutions with robust validation protocols.

Climatrix

Climatrix is a responsive weather forecast web app built with Next.js, Tailwind CSS and TypeScript. It fetches real-time weather data using the OpenWeatherMap API, displaying hourly and 7-day forecasts with detailed metrics like temperature, humidity, wind speed and sunrise/sunset times. Designed with a clean UI and mobile-first approach, it showcases modern front-end development and API integration skills.

Real Estate Listings Platform

Real Estate Listings web Platform using React.js for searching and filtering properties based on type, price, bedrooms, date and location. Implemented an interactive UI with dynamic property listings, a favorites management system using local storage and responsive design with media queries. Integrated React tabs for detailed property views, including floor plans and Google Maps. Enhanced security with CSP policies and HTML encoding, ensuring a seamless and secure user experience.

SOFT SKILLS

- Communication
- Team Work
- Creativity
- Leadership skills
- Communication

REFERENCE

Mrs. P. R. H. Sachithra
Vinodani Thilakarathne

Assistant Lecturer, IIT School of
Computing
10 Trelawney Pl, Colombo 00400
0712091683

Miss. Dasuni Dewani
Uyanahewa

Associate software engineer
Codimite (Pvt) Ltd
dasuniuyanahewa@gmail.com

Java Student Management System

Climatrix is a responsive weather forecast web app built with Next.js, Tailwind CSS and TypeScript. It fetches real-time weather data using the OpenWeatherMap API, displaying hourly and 7-day forecasts with detailed metrics like temperature, humidity, wind speed and sunrise/sunset times. Designed with a clean UI and mobile-first approach, it showcases modern front-end development and API integration skills.

Study Focus & Productivity System

Created a comprehensive web-based productivity platform combining study tools with relaxation features. Integrated Pomodoro timer functionality, interactive Tic Tac Toe game (2-player and computer opponent) and responsive design for cross-device compatibility. Deployed live application with optimized user experience for enhanced focus and study efficiency.

QuickRoute E01.

Developed the frontend of QuickRoute E01, a web-based bus booking platform for the Southern Expressway. Implemented user-friendly interfaces using React.js, enabling seamless bus booking, real-time bus search and ticket visibility.

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

Declaration

I hereby certify that, to the best of my knowledge, information on this resume is accurate and truthful.

Date: 15/ 06/ 2025