



Lochana Methsiluni

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As a highly motivated Computer Science Undergraduate with a strong foundation in programming, web development, I am excited to contribute my skills in real-world projects. I thrive in collaborative environments and continuously seek opportunities to expand my expertise. Excited to contribute my skills to a forward-thinking organization and gain hands-on experience in the technical field .

Work Experience

Trainee - Lanka Electricity Company (Private) Limited

E.H.Cooray Building, 411 Galle Road, Colombo 03.

June 2023 - Sept 2023

Encompassed areas:

- Software Development, Software Quality Assurance, System and Network Administration, Organizing and Monitoring IT Support Services

Education

BSc (Hons) Computer Science - University of Westminster (IIT)

2023 - present

key modules:

- Object Oriented Programming
- Web Design and Development
- Advanced Client-Side Development
- Database Systems
- Algorithms - Design and Implementation
- Client Server Architecture

G.C.E Advanced Levels - Sirimavo Bandaranaike Vidyalaya , Colombo 07

2009 - 2022

- Commerce Stream - 3A

Certification

Introduction to Front-End Development - Meta

2025

Data Science with Python (8- week course) - University of Colombo-School of Computing

2023

Skills

Front-end Development :

- React
- Tailwind CSS
- HTML
- CSS
- JavaScript

Database Administration and Management:

- SQL
- MongoDB

Tools & Platforms:

- Figma
- Postman

Soft Skills:

- Creativity
- Adaptability
- Teamwork and Collaboration
- Leadership

Programming Languages :

- Java
- Python

Projects

Pledgelt Volunteer Management Platform (Group Project)

(2025)

Technologies: React, Fast API , Tailwind CSS, MongoDB

- Volunteer management platform, allowing organizations post events and volunteers to register .
- Features included are event filtering, contribution tracking, and personalized dashboards for both volunteers and organizers.

Full Stack E-commerce Website (Individual)

(ongoing)

Technologies: MongoDB, Express.js, React, Node.js, Redux

- Full-featured e-commerce platform with user authentication, product management, cart functionality, and payment integration

Web-Based Interactive Photo Booth (Individual)

(2025)

Technologies: React, Tailwind CSS

- Interactive Photo Booth enabling users to capture, edit, and download photos seamlessly
- Integrated React Webcam for live previews and html2canvas for screenshot capture, ensuring smooth functionality and high-quality image exports

Personal Portfolio Website (Individual)

(2025)

Technologies: React, Tailwind CSS

- Responsive portfolio website to showcase projects, skills, and achievements.

Property Search and Listing Web Application

(2024)

Technologies: React, HTML5, CSS, JavaScript, JSON

- Client-side web app allowing users to search for properties based on multiple criteria
- Functionality to save and remove properties from a favorites list.

Real-Time Event Ticketing Simulation System

(2024)

Technologies: Java, Spring Boot, React

- Real-time ticketing system utilizing the Producer-Consumer pattern with multi-threading for synchronized and efficient ticket management.
- React frontend for dynamic ticket management and integrated it with a Spring Boot REST API
- Implemented a CLI for simulating ticket operations and real-time updates, ensuring system reliability.

Volunteering & Experience

Events & Logistics Team - Mozilla Campus Club of IIT

2024 - Present

Project Chairperson - Mozilla Campus Club of IIT - CODEDROP

Jan - Present

Delegate Handling - IEEE WIE Affinity Group of IIT EE -Sherlock2.0

Feb 2025

IX- 2024 Design Challenge (Participation) - IEEE Student Branch of IIT

Sep 2024

Senior Prefect – Sirimavo Bandaranaike Vidyalaya, Colombo 07

2021

Secretary – ICT Society, Sirimavo Bandaranaike Vidyalaya, Colombo 07

2021

Vice Secretary – Media Unit (Technical),Sirimavo Bandaranaike Vidyalaya

2021

Referee

Prof. Prasad Wimalaratne

Professor of Computer Science

University of Colombo-School of Computing,

35, Reid Av, Colombo 7.

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Dr. Oshan Wedage

Senior Lecturer

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