

Osanda Abeysinghe

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[Portfolio](#) | [LinkedIn](#) | [GitHub](#)

I am a Software Engineering undergraduate, an enthusiastic and meticulous individual with strong technical and problem-solving skills. Experienced in software development, web development, mobile app development, database design, and IoT systems, with a solid background in data science and quality assurance. Skilled at adapting quickly to new challenges, working collaboratively in teams, and continuously improving both technical and soft skills.

EDUCATION

Bachelor of Software Engineering Honours

2022 - Present

The Open University of Sri Lanka

O/L – A/L

2014 - 2021

ST.Thomas Collage Matale

TECHNICAL SKILLS

Programming Languages: Java, Python, C

Web development: React.js, Next.js, JavaScript, TailwindCSS, HTML, CSS, PHP

Database: MySQL, MongoDB

Design Tools: Figma

Technologies: GIT, GitHub

Other: UI/UX design, REST APIs, Agile, Cloud basics

SOFT SKILLS

- Teamwork and Collaboration
- Problem-solving
- Communication
- Creativity
- Time Management and Multitasking

PROJECTS

Smart Parcel Delivery System

[View Project](#)

Java

- Built a logistics management application in Java to automate parcel scheduling and routing.
- Used priority queues, hash tables, and graph data structures for fast urgent delivery handling and efficient vehicle assignment.
- Implemented Dijkstra's algorithm for shortest path delivery route optimization.
- Used Collections Framework, Custom Heap, HashMap, Graph Algorithms, Dijkstra's Algorithm.

Smart Parking Management System

[View Project](#)

Python | JavaScript | HTML | CSS

- This project develops an IoT-based Smart Parking Management System that automates parking operations, improves space utilization, reduces congestion, and enhances user convenience.
- It integrates sensors, microcontrollers, communication protocols, edge-cloud computing, databases, and web applications to provide real-time parking availability, automated entry/exit control, and digital payments

EduCheck Mobile Application

[View Project](#)

Java / MySQL

- This mobile app facilitates student attendance mark through QR code scanning.
- It also offers features for managing student details, recording attendance marks, generating QR codes and integrating with Google Maps.
- This app is extremely helpful for schoolteachers, allowing them to efficiently manage their students and store student information securely.

Artify

[View Project](#)

React.js / Tailwind CSS / MongoDB

- The ARTIFY Website is a full stack project that connects artisans with consumers, creates an inclusive marketplace for unique handmade products, and supports the growth of artisans globally.
- This is a group project, and I contributed to the Front-end development.

Virtual Mouse - Computer Vision + AI Project

[View Project](#)

Python (OpenCV, MediaPipe, NumPy, PyAutoGUI)

- AI-driven Virtual Mouse system that allows you to control your computer just with hand gestures – no physical mouse required.
- This project was a great learning experience in computer vision, human-computer interaction, and real-time system optimization. It pushed me to think about practical AI applications beyond traditional input devices.

Portfolio

[View Project](#)

React.JS / Tailwind CSS

- This web application designed to showcase comprehensive information about my personal and academic projects.
- This platform provides an organized and visually engaging interface where users can explore detailed descriptions, technologies used, and the outcomes of each project.
- The application not only highlights my technical expertise in web development but also demonstrates my ability to present complex data in a user-friendly manner.

WORK EXPERIENCE

Software Engineer Intern

September 2025 – Present

GTS Active, Kadawatha, Colombo

ONLINE CERTIFICATION

Frontend Developer (React)

Mar 2025

[Hacker Rank](#)

Generative AI

Jan 2025

[LinkedIn Learning](#)

Introduction to Cybersecurity

Oct 2022

[Cisco](#)
