

# Buwaneka Senarathne

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[Github](#) [LinkedIn](#) [Medium](#)

## Software Engineering Undergraduate

Aspiring Software Engineering student with a solid Computer Science foundation and teamwork skills. Proficient in Node.js, React.js, and JavaScript. Focused on building scalable, performant, and secure systems with modern web technologies.

## Education

<b>BSc (Hons) in Information Technology Specialising in Software Engineering</b> Sri Lanka Institute of Information Technology CGPA - 3.1	2023 - 2026
<b>BSc Engineering (Hons) in Mechanical Engineering (Mechatronics Specialisation)</b> Sri Lanka Institute of Information Technology	2021 - 2023
<b>G.C.E. (A/L) Mathematics stream</b> Dharmaraja College, Kandy Three Credit Passes	2020

## Work experience

<b>Mechatronics Engineer ( internship )   Airport &amp; Aviation Services Sri Lanka</b> • Developed a 3D model of a two-way conveyor belt system using SolidWorks to enhance baggage handling efficiency.	2023
<b>Freelance video editor   Fiverr Premiere Pro, After Effects, Photoshop</b> • Completed 20+ video/motion graphics projects.	2022 -2023

## Relevant Projects

<b>Property management system (group)  <a href="#">GitHub</a>   NodeJS , Mongodb , ReactJS, ExpressJS, JWT authentication</b> • A full-stack web application for a boarding places listing platform. • Implemented JWT authentication for secure user access. • Designed a responsive, user-friendly interface with React.	2024
<b>Highlight Hunt - Sequence Memory Game   <a href="#">GitHub</a>   NodeJS , Mongodb , ReactJS, Tailwind, OpenAi API</b> • A dynamic memory game with progressive grid difficulty (3x3, 4x4, 5x5). • Implemented quick-flash patterns and real-time score tracking with a global leaderboard. • Created smooth animations and real-time score tracking for an immersive user experience. • Integrated performance analysis using OpenAI's API to evaluate correct highlights, accuracy, completion time, and score. • Optimized AI response time to ~2.08 seconds, ensuring real-time player feedback.	2025
<b>Get It Done - Task management application   <a href="#">GitHub</a>   Kotlin</b> • Developed in Kotlin with Android Studio, targeting API level 35. • Managed app state with SharedPreferences for persistent data storage. • Built a custom task timer with CountdownTimer for accurate time tracking.	2024
<b>Food ordering &amp; delivery management system (group )  MERN stack , JWT authentication, Docker , Kubernetes</b> • Architected microservices-based platform with 4 independent services and Docker/Kubernetes deployment • Built real-time order tracking system using Google Maps API and Geocode API for live location monitoring • Integrated multiple payment gateways (Stripe, PayHere) • Implemented containerized deployment using Docker and Kubernetes with service orchestration and API Gateway integration • Created role-based user management system supporting 4 user types (Admin, Customer, Restaurant, Rider) with authentication	2025

## Volunteering

<b>Faculty of Engineering Media Club   2021 - 2023</b> • Marketing Team - SLIIT's Got Talent (2022)
<b>Leo Club of SLIIT   2021 - 2022</b> • Design team

## Skills

• Programming languages: Javascript , Java , Python Kotlin, PHP , C , C++ , R (basic)
• Frontend: ReactJS
• Backend: NodeJS
• Database: MongoDB, MySQL
• UI/UX: Figma, Photoshop
• Testing: Jest
• DevOps & Containerization: Docker, Kubernetes