PASINDU HESHAN
Undergraduate Software Engineer

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LinkedIn Profile   GitHub Profile   Personal Portfolio   Nugegoda, Sri Lanka.

Highly motivated Computer Science undergraduate with a passion for modern technologies and software development. Experienced in writing efficient, maintainable code and optimizing software performance. Eager to contribute to impactful projects with a strong commitment to quality, innovation, and continuous learning.

EDUCATION

Bachelor of Science (B.Sc.) in Physical Sciences (Undergraduate)   Expected Graduation: 2025
University of Sri Jayewardenepura, Faculty of Applied Sciences, Sri Lanka.
Major Areas: Computer Science, Physics, Mathematics

SKILLS AND STRENGTHS

- **Soft Skills -** Leadership skills, Self-Motivation, Teamwork, Time Management
- **Technical Skills**
  Frontend: HTML, CSS, Tailwind CSS, JavaScript, ReactJS
  Backend: Java, Python, Node.js, Express.js
  Database: MySQL, MongoDB
  Version control: Git, GitHub
  Software Engineering Concepts: OOP, Agile (Scrum)
  Test Automation: Selenium WebDriver, TestNG, JUnit
  IDEs: Visual Studio Code, IntelliJ IDEA, NetBeans, Arduino IDE
  Productivity Software: Microsoft Word, Excel, PowerPoint
  Other Tools: Google Docs, Google Sheets, Microsoft Outlook

KEY PROJECTS

Hotel Booking Site (Ongoing Project)   *Technologies*: React.js, Node.js, Express.js, MongoDB
• Designed and developed a full-stack hotel booking site using the MERN stack. Features a responsive, user-friendly interface for hotel search, room selection, and booking management. Implemented dynamic UI/UX with React components, secure backend operations, user authentication, admin panel, and real-time booking updates. Focused on scalability, clean architecture, and modern design.

Portfolio Website   *Technologies*: React, CSS
• Designed and developed a fully responsive and visually appealing personal portfolio site with clean UI/UX, modern layout, and smooth navigation. Features toggleable dark/light modes and adapts seamlessly across devices. Built with modular React components and maintainable code for scalability and easy updates.

Coffee Shop Website   *Technologies*: HTML, CSS, JavaScript
• Designed and developed a fully responsive, visually appealing website for a fictional coffee shop. Focused on elegant UI/UX with modern layout, smooth navigation, and Merriweather typography for a refined look. The site adapts seamlessly across devices, providing an optimal browsing experience on desktop and mobile. Built with clean, maintainable code and aesthetic design principles.

Airline Ticket Reservation System   *Technologies*: Java (Swing), MySQL
• Developed a full-featured desktop application for airline ticket booking. Features include flight search, customer registration, seat selection, real-time fare calculation, and booking management. Integrated database using JDBC with XAMPP, and implemented clean user-friendly forms and validations.

Hotel Booking Automation with Selenium   *Technologies*: Selenium WebDriver, TestNG, Java, Maven
• Developed an end-to-end hotel booking automation framework using Selenium WebDriver, TestNG, and Java. Simulated real-world guest booking on PHPTRAVELS, covering location selection, hotel choice, guest info entry, and confirmation. Implemented Page Object Model (POM) for clean structure and reusability, integrated ExtentReports for detailed HTML test reporting.

Mobile Purchase Automation with Selenium   *Technologies*: Selenium WebDriver, TestNG, Java, Maven
• Developed an end-to-end automation framework simulating a mobile phone purchase flow on eBay. Implemented Page Object Model (POM) for clean structure and reusability. Automated key steps including product search, filtering, item selection, detail capture, and guest checkout accurately mimicking user behavior in a modern e-commerce environment.

Student Management System   *Technologies*: Java (Swing), MySQL
• Developed a desktop application to efficiently manage student information. Features include student registration, record update, deletion, and field reset. Designed user-friendly forms with input validation and integrated JDBC with XAMPP for database operations. Focused on clean UI layout and smooth CRUD functionality for academic administration.

ToDo Application   *Technologies*: Java (Swing), File Handling
• Built a desktop ToDo application using Java Swing with simple file handling for task management. Tasks can be added and deleted, saved to a .txt file for data persistence between sessions. Designed a clean, intuitive UI for basic task tracking without a database.

Login and Sign-Up System   *Technologies*: Java (Swing), MySQL
• Developed a desktop authentication module for user registration and login. Features new user sign-up with input validation and secure login via JDBC with XAMPP. Designed a clean UI and structured form handling for smooth user access control.

EXTRA-CURRICULAR ACTIVITIES & VOLUNTEERING

Marketing: Head of Marketing at Aurora '24, Computer Science Conference and Competition organized by Computer Science Association of University of Sri Jayewardenepura.

J'Pura Flames: Member at J'Pura Flames, the official media and broadcasting unit of the University of Sri Jayewardenepura (2022–2025)

J'Pura C2 Leos Club: Member at J'Pura C2 Leos Club, a youth-led community service organization at the University of Sri Jayewardenepura (2022–2025)

REFERENCES

References can be provided upon request.