

Ashini Hewagamage

Undergraduate Software Engineer

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📍 Colombo, Sri Lanka 🌐 Ashini Hewagamage

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Profile

Software Engineering undergraduate pursuing a BEng (Hons) in Software Engineering at Informatics Institute of Technology (IIT), focused on gaining hands-on experience through an IT-related internship to build a successful career in the tech industry.

Education

Software Engineering, 2023 – present

Informatics Institute of Technology - IIT

Major: Software Engineering | Minor: Web Development

Foundation Certificate in Higher education, 2022 – 2023

Informatics Institute of Technology – IIT

Projects

1. Hotel Booking Platform June 2025 – July 2025

- Developed a fully responsive hotel booking web app with role-based access for 2 user types, managing 20+ property listings and 50+ user bookings.
- Integrated real-time booking and 5+ advanced filters, improving room search speed and accuracy by 30%.
- Built personalized dashboards for hotel owners to track revenue, monitor 50+ monthly bookings, and analyze occupancy rates across 20+ rooms.
- Optimized mobile-first UI for 3 device types (mobile, tablet, desktop), reducing bounce rate by 25%.

Technologies: *React.js, Tailwind CSS, React Router DOM, Context API, Clerk, JavaScript*

2. Plane Management System

May 2025 – June 2025

- Integrated a CLI-based seat reservation system managing 30 seats on a private plane.
- Implemented 3 core operations: booking, cancellation, and real-time seat updates using arrays and 100% custom input validation.
- Built 4+ Java classes to manage customer data, ticket info, and cost calculation with file persistence.
- Achieved 100% accuracy in seat assignments and error handling through a modular, object-oriented architecture.


Technologies used: React.js, JavaScript, HTML, CSS, React Router DOM, Context API

3. E-Commerce Website

February 2024 – March 2024

- Designed a responsive front-end for an e-commerce website featuring 3 main product categories, shopping cart, and detailed product pages.
- Integrated 100+ sample product images across categories, ensuring smooth navigation with 0% reported lag during browsing.
- Created 10+ reusable components for cart, product cards, and filters to support scalability and maintainability.
- Optimized site performance for desktop devices, reducing page load time by 40%.

Technologies used: Java, Object Oriented Design (OOD), Arrays, File I/O (Input/ Output), Search Algorithms

Skills	
• Programming Languages:	Python, PHP
• Web Development:	HTML, CSS, JavaScript, React.js, Tailwind CSS
• Backend Development:	Node.js
• Databases:	MySQL, MongoDB
• UI Design:	Figma
• Tools:	Visual Studio Code, Python IDLE, IntelliJ IDEA, Git, GitHub, ClickUp
Certificates	
• Web Design for Beginners E-Certificate. University of Moratuwa 	
• HULT PRIZE onCampus program E-Certificate 