

Wathshala Amarasinghe

Graduated – BSc (Hons) in Software Engineering

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OVERVIEW

UI/UX Designer and Software Engineering Graduate with hands-on experience designing user-friendly and visually engaging digital products, including enterprise-scale web and mobile applications for healthcare and financial sectors. Strong foundation in user research, usability testing, wireframing, prototyping, and accessibility-focused interface design, with the ability to translate complex requirements into simple, intuitive solutions.

Experienced in creating wireframes, interactive prototypes, and high-fidelity UI designs using tools such as Figma, while applying user-centered design principles to improve navigation, efficiency, and overall user satisfaction. Skilled in designing layouts, visual elements, and structured information architecture that enhance usability and product clarity.

Collaborative and detail-oriented professional with basic knowledge of HTML/CSS and experience working closely with developers and product teams in agile environments. Passionate about improving digital experiences through research-driven decisions, continuous testing, and user feedback, with the goal of creating simple, efficient, and enjoyable products.

EDUCATION

BSc (Hons) In Software Engineering
Plymouth University, United Kingdom
Graduated: December 2025

Key Modules: Software Engineering Principles, Data Structures & Algorithms, Web Application Development, Database Management Systems, Human-Computer Interaction

PROFESSIONAL EXPERIENCE

UX/UI Designer Intern
Swiztech Solutions (Pvt) Ltd, Colombo, Sri Lanka
July 01, 2025 – December 31, 2025

- Led end-to-end UX/UI design for complex, data-driven web applications, working closely with developers and product stakeholders.
- Designed and contributed to a full-scale Electronic Medical Record (EMR) System and Hospital Information System (HIS) for the healthcare sector, covering:

- Patient & Doctor Registration
 - Laboratory & Radiology Modules
 - Pharmacy Management
 - Billing & Invoicing Systems
 - Appointment Scheduling & Clinical Workflows
 - Administrative & Operational Dashboards
 - Conducted user research and usability evaluations to improve navigation, clarity, and efficiency across critical workflows.
 - Developed user flows, site maps, wireframes, and high-fidelity interfaces aligned with real-world healthcare processes.
 - Ensured accessibility, consistency, and responsiveness across desktop and tablet interfaces.
 - Designed a complete financial application UI system, including dashboards, transaction flows, analytics views, and admin panels.
 - Built reusable design components and patterns, contributing to scalable design systems.
 - Collaborated in agile ceremonies (planning, reviews, refinements) and iterated designs based on feedback and real usage.
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LANGUAGES

- Sinhala (Native)
 - English (Professional Proficiency)
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UX/UI & TECHNICAL SKILLS

- UX & Research: User Research, Usability Testing, User Interviews, Journey Mapping, Personas, Information Architecture, User Flows, Accessibility Audits (WCAG), Inclusive Design.
- UI & Interaction Design: Wireframing, High-Fidelity UI Design, Interactive Prototyping, Responsive Design, Design Systems, Component Libraries, Micro-interactions.
- Design & Prototyping Tools: Figma, Adobe XD, Sketch, FigJam, Miro, Zeplin, InVision
- Front-End & Technical Knowledge: HTML, CSS, JavaScript, Bootstrap, Tailwind CSS, React (basic), MERN Stack (basic).
- Collaboration & Delivery: Agile/Scrum, Developer Handover, Design Documentation, Cross-Functional Collaboration.
- Other Tools: GitHub, Postman, Docker, Trello

SOFT SKILLS

- Team Collaboration
 - Problem-Solving
 - Communication
 - Time Management
 - Adaptability
 - Attention to Detail
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PROJECTS

- **Fully Automated Event Management System (final year individual project)**
 - Technologies: HTML, CSS, JavaScript, PHP, MySQL, XAMPP
 - Developed a responsive event management web application enabling event creators to book venues, assign tasks, and manage participants.
 - Implemented role-based access control for Admins, Band Owners, and Event Managers.
 - Focused on improving user experience, automating workflows, and integrating with a secure MySQL database via phpMyAdmin.
- **Online Computer Parts Shop – Project Website Proposal & Planning**
 - Technologies: Trello, Figma, Google Docs, Google Sheets
 - Managed the complete planning lifecycle of an e-commerce website for selling computer parts online.
 - Created detailed UI/UX wireframes and design mockups using Figma to visualize the user journey and interface.
 - Organized and tracked project milestones, task assignments, and team collaboration using Trello boards.
 - Prepared a comprehensive project proposal and budget plan, including features, target market, timeline, and technology stack recommendations.
 - Focused solely on project management—no coding—ensuring stakeholder needs, branding alignment, and technical feasibility were addressed early in development.
- **Campus Students' Accommodation Finder**
 - Technologies: HTML, CSS, JavaScript, PHP, MySQL, XAMPP
 - Built a property listing web application to help students find nearby boarding places and hostel rooms.
 - Implemented search filters, user registration, and booking features with dynamic database connectivity.
- **Online Gift Shop Store**
 - Technologies: MERN Stack (MongoDB, Express.js, React, Node.js)
 - Designed and developed a complete e-commerce platform for online gift shopping.
 - Integrated shopping cart, user authentication, order placement, and admin management dashboard.

- **Green Supermarket Management System**
 - Technologies: Java, MySQL, XAMPP
 - Developed a desktop-based inventory and billing system for a small supermarket.
 - Included product management, sales tracking, and database backup functionalities.
 - Enabled secure login and transaction logs.
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REFERENCES

Ms. Hirushi Dilpriya
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