Udani Amasha

Undergraduate Computer Science Student

CONTACT

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https://github.com/Udaniamasha

Portfolio:
https://udaniamasha.github.io/udani-amasha-portfolio/

LANGUAGES

- English (Fluent)
- Sinhala (Fluent)

PROFESSIONAL SUMMARY

Second-year Computer Science undergraduate specializing in front-end development and modern web engineering. Experienced in developing component-based React applications with state management, dynamic routing, and REST API integration. Strong problem-solving and collaboration skills demonstrated through team-based development projects. Seeking a front-end developer internship to apply technical skills, contribute to innovative projects, and gain industry experience.

EDUCATION

BSc (Hons) Computer Science University of Westminster, UK	2024 - 2028
Foundation Program in Computer Science Informatics Institute of Technology, Colombo	2023 - 2024
Sanghamitta Balika Vidyalaya, Galle	2008 - 2022

ACHIEVEMENTS & CERTIFICATION

Model X Hackathon (Team Lead) – Developed ML solution using LightGBM & SHAP

Professional Certificate in Java Programming

Distinction – Professional Certificate in Graphic Design

Distinction – Foundation Programme

PROJECTS

AgroLink – Digital Agriculture Investment Platform   Ongoing (2026)

Developing a digital platform connecting Sri Lankan farmers with local and international investors to enable transparent agricultural funding.

- Developed mobile UI components using React Native
- Integrated REST APIs for dynamic data rendering
- Collaborated with backend team in full-stack development environment

Technologies: React Native | REST APIs | MongoDB | Spring Boot | Docker

SOFT SKILLS

- Attention to Detail
- Communication Skills
- Team Collaboration
- Creativity & Visual Thinking
- Adaptability & Willingness to Learn

TECH SKILLS

- **Programming Languages:** Java, Python, JavaScript (ES6+), SQL

- **Core Concepts:** Object-Oriented Programming (OOP), Data Structures, CRUD Operations, Database Design, REST APIs

- **Web Development:** HTML5, CSS3, React.js, Responsive Design, DOM Manipulation, Fetch API

- **Frameworks & Tools:** Spring Boot, React Native, Context API, Vite, Git, GitHub

- **Databases:** MongoDB, MySQL

- **Data & Analytics:** Pandas, Data Cleaning, Exploratory Data Analysis, Data Visualization (Matplotlib)

- **DevOps & Tools:** Docker (Basic), GitHub Actions (CI/CD), Jupyter Notebook, IntelliJ IDEA, VS Code

- **Design & Prototyping:** Figma, Wireframing, Accessibility (ARIA), Color Theory, Visual Hierarchy

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Social Media Usage Data Analysis (2025)
Feb 2026-March 2026

Performed exploratory data analysis on social media usage dataset to identify trends and behavioral patterns

- Cleaned and processed raw data using pandas
- Created visualizations to analyze usage distribution and correlations
- Derived insights and summarized findings in a structured report

Technologies : Python, Pandas, LightGBM, SHAP

Task Management System
Oct 2025 – Nov 2025

- Designed layered Java application implementing CRUD operations
- Integrated MySQL using JDBC with relational schema design
- Applied OOP principles and modular architecture

Technologies : Java, MySQL, JDBC, OOP

DreamEstate – React Real Estate SPA
Sep 2025-Oct 2025

- Built a responsive React SPA featuring dynamic routing, global state management, and drag-and-drop favourites.
- Designed advanced property filtering and ensured secure rendering with DOMPurify and CSP.

Technologies: React.js | React Router | Context API | Vite | CSS3 | DOMPurify | Vitest

Harmonia Website Development
Jan 2025 – Apr 2025

- Developed a multi-page group website using core web technologies, focusing on structured layout, interactivity, accessibility, and validation.

Technologies : HTML, CSS, JavaScript

Healthy Food Mobile App Prototype
Jan 2024 – Apr 2024

- Collaborated in a team to design an innovative mobile app prototype for a healthy food delivery service, focusing on UI design and user experience.

Technologies : Figma

REFERENCES

Asini Pathmila Silva
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