

Disas Gamage

Software Engineer

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SUMMARY

Software Engineering undergraduate at the University of Westminster with a strong foundation in modern full-stack development. Experienced in building responsive interfaces with Next.js, cross-platform applications with React Native, and deploying scalable backend architectures. With over 1 year of experience managing client projects, I am committed to creating clean, user-centric experiences and am seeking a Software Engineering internship to leverage modern full-stack skills in a fast-paced environment.

TECHNICAL SKILLS

Frameworks	Next.js, React Native, React 19, Tailwind CSS v4, Node.js
Languages	JavaScript, TypeScript, Python, Java, HTML5/CSS3
Backend & Databases	PostgreSQL, MongoDB Atlas, Supabase, NextAuth
Infrastructure & Tools	Git, Vercel, Resend, REST APIs
IoT & Embedded	ESP32, Arduino, Biometric/EEG Sensors, Signal Processing (DSP)

FEATURED & CLIENT PROJECTS

WaveForm — Cross-Platform Mobile Application

2026

SDGP Group SE-26 Leader — Academic Project

- Led a 6-member team to build a full-stack IoT neuromodulation and wellness ecosystem.
- Managed core project architecture, multi-repo splitting, and integration pipelines across a full Agile delivery cycle.

Tech: React Native, Node.js, Expo, MongoDB Atlas, Supabase, ESP32

Ceylon Luxe Travels — Interactive Travel Planner

2025 – 2026

Full-Stack Developer — Client Project

- Built a responsive, motion-heavy travel planner featuring an interactive SVG routing map.
- Implemented localized multilingual content, budget routing systems, and drag-and-drop receipt verification.

Tech: Next.js, React 19, Tailwind CSS v4, Zustand

SprayFerdo — Premium E-Commerce Platform

2025 – 2026

Full-Stack Developer — Client Project

- Created a scalable perfume storefront with custom fragrance note selectors and dynamic product catalogs.
- Configured secure session management, database schemas, and automated transactional email workflows.

Tech: Next.js, PostgreSQL, Prisma ORM, NextAuth, Resend, Vercel

Interactive Artist Portfolio

2024 – 2025

Frontend Developer — Client Project

- Coded a highly visual digital portfolio featuring a custom global music player and high-performance scroll transitions.
- Designed interactive floating musical particles, keyboard shortcuts, and background video auto-mutes.

Tech: HTML5, CSS3, JavaScript, Intersection Observer API

TECHNICAL MINI-PROJECTS

Prompt Compressor — Token Reducing Tool

2026

Solo Developer — Independent Utility

- Developed a deployed web utility engineered to optimize and compress LLM prompts via string parsing algorithms, helping bypass context limits and minimize API costs.

Tech: Next.js, React, Tailwind CSS, Prompt Engineering

WaveForm EEG v1.0 — Brain-Computer Interface Dashboard

2025 – 2026

Solo Developer — Independent Research

- Built a real-time EEG monitor streaming ESP32 hardware data to a Python DSP pipeline and Streamlit dashboard.
- Engineered automated firmware flashing via bash scripts and a normalized SQLite database for session logging.

Tech: Python, Bash, Streamlit, scikit-learn, SQLite, Arduino

EDUCATION & CERTIFICATIONS

BSc (Hons) in Software Engineering

2024 – Expected 2027

University of Westminster — Informatics Institute of Technology (IIT)

Foundation in Information Technology

2023 – 2024

Informatics Institute of Technology (IIT)

G.C.E. Ordinary Level - Achieved 9A passes

2012 – 2022

Nalanda College, Colombo

REFERENCES

Ms. Ayesha Pramodini

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Mr. Suresh Peiris

Lecturer

University of Westminster via IIT

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