

SITHIKA WEERASINGHE

BSc (Hons) Computer Science Undergraduate

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Sithika Weerasinghe

github.com/SithikaWeerasinghe

Professional Summary

Driven Computer Science undergraduate at the University of Westminster (via IIT Sri Lanka) with strong hands-on experience in software development, web technologies, and intelligent systems. Skilled in Python, Java, JavaScript, React, SQL, and REST APIs, with project experience delivering AI-powered platforms, machine learning prototypes, and responsive web applications. Known for combining technical problem-solving with creativity, adaptability, and effective teamwork to build practical and user-centered solutions. Seeking a Software Engineering Internship to apply and expand engineering skills while contributing meaningfully to real-world software projects.

Skills

Technical Skills

Programming Languages: Python, Java, JavaScript

Web Development: HTML, CSS, React, REST APIs

Databases: SQL, MySQL, Supabase, Clerk

Machine Learning: Data Preprocessing, Regression, Classification, Supervised Learning

Version Control: Git, GitHub

Design Tools: Figma

Networking: IP Addressing, Subnetting

Soft Skills

Problem Solving, Analytical Thinking, Team Collaboration, Communication, Adaptability, Time Management, Leadership

Education

BSc (Hons) in Computer Science (Undergraduate)

2024 – 2028

Informatics Institute of Technology (IIT), Sri Lanka

Affiliated with the University of Westminster, London

G.C.E. Advanced Level – Physical Science Stream

Completed: Dec 2024

Bandaranayake College, Gampaha

Subjects: Physics, Combined Mathematics, Chemistry

Projects

ADORIX – AI-Powered Interactive Sales Kiosk

Python, IoT, Raspberry Pi, Next.js, Web Backend

- Contributed as a backend-focused developer in a multi-component smart kiosk project combining web, device, and interactive system functionality.
- Supported backend development across the IoT subsystem and web application, helping shape system workflows and overall product functionality.
- Collaborated within a team environment to integrate software components for a more seamless interactive sales experience.

SceneSeek – Movie Identification Prototype

Python, Machine Learning, Computer Vision

- Designed and developed an end-to-end prototype capable of predicting a film title from a short video clip.
- Handled the full workflow independently, including data preparation, clip-based matching logic, and proof-of-concept evaluation.
- Tested the system on a curated multi-film dataset to validate the feasibility of clip-based movie identification.

Property Finder Web Application

React, JavaScript, Frontend Development

- Designed and built a responsive property finder web application as an individual project, later deployed as a live site.
- Developed user-facing interfaces and interactive features to improve navigation, browsing, and overall usability.
- Focused on creating a clean and accessible frontend experience for property discovery and exploration.

ASDY Foundation Web Project

HTML, CSS, JavaScript

- Contributed to the implementation of selected pages for a coursework-based web development project.
- Built and styled front-end components using HTML, CSS, and JavaScript with attention to structure and visual consistency.
- Strengthened practical understanding of responsive layouts, page organization, and core web technologies.

Certifications

- Introduction to Modern AI – Cisco Networking Academy
- Introduction to Cybersecurity – Cisco Networking Academy
- Ethical Hacker – Cisco Networking Academy
- Fundamentals of Digital Marketing – Google
- E-Learning Theory and Practice for Publishers – Alison

Leadership & Activities

- Member - Leo Club of IIT
- Organizer - Science Society Bandaranayake College, Gampaha
- Member of the School Volleyball Team

References

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