

# Sansith Fernando

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## About Me

Computer Science student passionate about full-stack web development, UI/UX, and HCI. I build performant, resource-efficient cross-platform apps using Electron, Tauri, Rust, and React/TypeScript, implement native integrations (e.g., device APIs), and create polished design systems and UI components. Seeking opportunities to ship high-impact features and deepen my production engineering skills.

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## Education

### University of Westminster

BSc. (Hons) Computer Science (Expected: Sep 2027)

### Informatics Institute of Technology

Foundation Certificate in Higher Education (2024)

### Mahanama College, Colombo 03

G. C. E (Ordinary Level) – 2022

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## Skills

- **Stack & Frameworks:** Electron, Tauri, React, Node.js, Astro
- **Programming:** JavaScript/TypeScript, Java, Python, Rust, C/C++
- **Design:** Figma, Adobe XD, Sketch, Inkscape
- **Other:** Git, DBMS, Workflow Management

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## Projects

- **xelter (WIP):** Cross-platform task manager, habit tracker and calendar app designed for students and developers (React Native, Rust).
- **Musicer (WIP):** A blazing fast, modern music player for Windows 11 built with Tauri (Rust, React).
- **xscreen:** A tray utility to automatically adjust brightness for external monitors using DDC/CI (Rust).
- **Portfolio:** Built with Astro and highly optimized for near-instant load times (Astro, HTML, CSS, TS).

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## Work Experience

- **Business Analyst, S. P. Solutions (Pvt.) Ltd.** (July 2024 – Sep 2024)
  - Hands-on experience in analyzing the design, development, testing and maintenance of large-scale software solutions.
  - Managed key client accounts for major commercial banks including Standard Chartered and DFCC.
  - Created and maintained documentation for projects and utilized tools such as Visio for process mapping.

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## Achievements

- Foundation Certificate in Higher Education – **Distinction**
- G. C. E. (Ordinary Level) – 2022(2023) – **7As** (incl. Mathematics and Science), **2Bs**

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## Activities & Interests

- Member, IEEE Computer Society of IIT
- Open-Source Contributions
- Hobbies incl. Creating UI mockups, tech blogging, UX Analysis