

Sahithyan Kandathasan

📍 Nelliady ✉️ saithyan2701@gmail.com 📞 +94704315623 🌐 saithyan.dev 📄 saithyan-kandathasan
🔗 saithyandev

About Me

Passionate software engineer with over 8 years of experience, mainly web and mobile applications. Specialized in building responsive, high-performance, and visually polished software that align with modern design trends.

When I am not immersed in code, I write about my experience and thoughts on my personal blog.

Education

BSc **University of Moratuwa**, Computer Science & Engineering March 2024 to Present
• CGPA: 3.82/4.0

Extra-curricular Activities

Tech Team Lead, Mora Exams Committee 2025
• Migrated the old PHP-based website to Astro+React based for increased performance and less hosting fees.
• Led a small team of developers to further develop the technical aspects of Mora Exams, the biggest island-wide pilot examinations for G.C.E. (A/L) students.

Maths Quiz, National Level 2019

Experience

Junior Developer, Reservato.ai July 2025 to August 2025
• Worked on 2 of their flagship products.

Associate Software Engineer, Asta Dec 2024 to Mar 2025
• Worked as a sole developer on their flagship product.

Intern Software Engineer, Asta June 2024 to Dec 2024
• Worked with a small team of developers on a short term project

Projects

Regular Expression Compiler [live website](#) 🗄️
• An interactive visualizer tool for regular expressions. For a given regular expression, different types of finite automata are generated and visualized.
• Built all components (tokenizer, parser, AST visualizer, and FA generators) from scratch.
• Tools Used: TypeScript, D3, GraphViz

Notes [live website](#) 🗄️
• My notes on what I am studying at Computer Science & Engineering at University of Moratuwa in each semesters.
• Tools Used: Astro, Tailwind, Markdown

F1 [backend/source](#) 🗄️
• A mobile app for managing your personal finances and share expenses with friends.

- The backend is built with precision and correctness in mind, with a huge test suite.
- Mobile app abandoned because of insufficient time.
- Tools Used: Elysia, Postgres, React Native

Turing Machine Simulator

[source](#) [live website](#)

- A simple simulator to understand the working of a Turing machine.
- Tools Used: HTML, CSS, TypeScript

Spidy

[sahithyandev/spidy](#)

- Priority-based web crawler.
- Tools Used: Golang, Sqlite

Cerve

[sahithyandev/erve](#)

- A simple web server for local testing
- Tools Used: C, CMake

GPA Tracker

[sahithyandev/gpa-tracker](#)

- Minimal web application to keep track of our GPA.
- Tools Used: SvelteKit

Rando API

[live website](#)

- A small collection of miscellaneous API routes for mostly my personal use.
- Tools Used: Golang

kalvi.lk

[live website](#)

- A huge repository of exam papers that are presented in a minimal website
- Reached 3 million downloads recently with over 50K active users
- Tools Used: Bun, Hono, Postgres

Wizmo

- A bot to download videos from YouTube, TikTok, and Twitter. Runs on Viber and Telegram. Currently not hosted.
- Tools Used: Node, TypeScript, Express, yt-dlp

XCalc

[web](#) [play store](#)

- A niche calculator app that supports additional functionality such as isPrime and primeFactorize
- Runs on web and Android
- Tools Used: React, WebAssembly (AssemblyScript)

@sahithyan/og

[sahithyandev/og](#)

- A small library for generating static Open Graph images. Built on top of Satori.
- Tools Used: TypeScript

math-api

- A NPM package to transform LATEX equations into images. Ported from math.now.sh.
- Tools Used: TypeScript

Languages

Tamil - Native

English - Intermediate

Skills

Frontend Development: HTML, CSS, JavaScript, TypeScript, React, Preact, Astro, Tailwind

Backend Development: Node.js, Bun, Express, Hono, Postgres, SQLite, Golang, SQL

Others: Next.js, Python, C, C++, Java, Kotlin, DevOps, SEO