Sahithyan Kandathasan

⚲ Nelliady   ✉ sahithyan2701@gmail.com   📞 +94704315623   🔗 sahithyan.dev   in sahithyan-kandathasan

○ sahithyandev

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

Editorial Committee Member, CyberCon — 2026
- Taking part in CSE's first Cybersecurity Conference.

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.
- Bulit all components (tokenizer, parser, AST visualizer, and FA generators) from scratch.
- Tools Used: TypeScript, D3, GraphViz

S1 to S4 — s1 ⬈ s2 ⬈ s3 ⬈ s4 ⬈
- My notes on what I am studying at Computer Science & Engineering at University of Moratuwa in each semesters.
- Tools Used: Astro, Starlight

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/cerve ↗

- 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