

Sahithyan Kandathasan

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🔗 sahitoyandev

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

Vannamayil [live website](#) 
• An e-commerce platform for an existing store.
• Tools Used: Tanstack Start, Elysia, Bun, AWS

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

- 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

[backend/source](#) ↗

Turing Machine Simulator

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

[source](#) ↗ [live website](#) ↗

Spidy

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

[sahithyandev/spidy](#) ↗

Cerve

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

[sahithyandev/erve](#) ↗

GPA Tracker

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

[sahithyandev/gpa-tracker](#) ↗

Rando API

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

[live website](#) ↗

kalvi.lk

- 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

[live website](#) ↗

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

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

[web](#) ↗ [play store](#) ↗

@sahithyan/og

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

[sahithyandev/og](#) ↗

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, Elysia, Express, Hono, Postgres, SQLite, Golang, SQL

Deployment: AWS, DigitalOcean

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