

SAMITH SHASHIKA

Software Engineering Undergraduate

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PROFESSIONAL SUMMARY

Software Engineering undergraduate at SLTC Research University with hands-on experience in full-stack web development, mobile app development, UI/UX design, and AI/ML integration. Built real-world applications using React, Node.js, Express.js, MongoDB, PostgreSQL, and Flutter. Seeking a Software Engineering Internship to gain industry experience and contribute to impactful projects.

SKILLS

Frontend: HTML, CSS, Tailwind CSS, JavaScript, React

Backend: Node.js, Express.js, Python, Java

Mobile Development: Flutter, Dart

Databases: MySQL, MongoDB, PostgreSQL

AI/ML: Computer Vision, Gesture Recognition, Predictive Modeling

UI/UX Design: Figma

Tools: Visual Studio Code, IntelliJ IDEA, Android Studio, Git, Postman

Soft Skills: Team collaboration, Adaptability, Time management, Self-driven learning, Communication, Problem-solving, Analytical thinking

EDUCATION

BSc (Hons) in Software Engineering

SLTC Research University | 2022 – Present (Expected Graduation: 2026)

PROJECTS

QuickAI – AI SaaS Productivity Platform

- Developed a production-ready AI SaaS application using the PERN stack, offering multiple AI-powered tools for content generation, resume analysis, and image editing within a subscription-based system.
- Technologies Used:** React, Node.js, Express.js, PostgreSQL (Neon), Clerk Auth, Clerk Payments (Subscriptions), AI APIs

Streamify – Real-Time Chat & Video Calling App

- Built a real-time communication platform using the MERN stack with video calls, messaging, screen sharing, reactions, authentication, theming, and synchronized state for one-on-one and group communication.
- **Technologies Used:** React, Node.js, Express.js, MongoDB, Stream API, JWT, TanStack Query, Tailwind CSS

SignBridge – Sri Lankan Sign Language Translator (FYP)

- Designed and developed an AI-powered mobile app for real-time Sri Lankan Sign Language (SLSL) Sign-to-Text and Text-to-Sign translation using MediaPipe, LSTM models, and a 3D avatar, enabling two-way communication.
- **Technologies Used:** Flutter, Dart, Python, MediaPipe, LSTM, Flask API, Blender (3D Avatar), Firebase Storage

QuickCart – Full-Stack E-Commerce Platform

- Built a full-stack e-commerce application with authentication, product management, cart and checkout functionality, order tracking, an admin panel, and cloud-based media storage, for a seamless shopping experience.
- **Technologies Used:** Next.js, MongoDB, Clerk, Inngest, Cloudinary, Tailwind CSS

LANGUAGES

English

Sinhala

REFERENCES

Ivanda Kaushitha: IT Analyst / Information System Associate (ISA)

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Nimna Induwara: Senior Software Engineer / PayAmigo Inc.

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