

# 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**

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English

Sinhala

## **REFERENCES**

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

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**Nimna Induwara:** Senior Software Engineer / PayAmigo Inc.

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