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SKILLS

- HTML, CSS, Tailwind CSS
- JavaScript, React, NodeJS
- Python
- Java, OOP
- Dart, Flutter
- MySQL, MongoDB, PostgreSQL
- Figma
- Git, GitHub, GitHub Actions
- Postman

LANGUAGES

- English
- Sinhala

REFERENCE

Ivanda Kaushitha

Information System Associate
(ISA)/ IT Analyst

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SAMITH SHASHIKA

SOFTWARE ENGINEERING UNDERGRADUATE



PROFILE

I'm a Software Engineering undergraduate at SLTC Research University with a strong passion for creating innovative digital solutions. Through academic projects and self-driven learning, I have gained hands-on experience in full-stack development, mobile app development, UI/UX design, and AI/ML technologies. I'm eager to gain industry experience and contribute to impactful projects as a full-stack developer.



EDUCATION

BSc (Hons) in Software Engineering

2022- Present

SLTC Research University



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, Stripe (subscriptions), AI APIs

Streamify - Real-Time Chat & Video Calling App

Built a real-time communication platform using the MERN stack with video calls, messaging, 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)

Developed an AI-powered mobile app enabling real-time SLSL Sign-to-Text and Text-to-Sign translation using MediaPipe, LSTM models, and a 3D avatar.

Technologies Used: Flutter, Dart, Python, MediaPipe, LSTM, Flask API, Blender (3D Avatar), Firebase Storage

PredictiveHR - AI-Powered HR Analytics

Developed an AI-powered HR analytics System that predicts employee churn, integrating machine learning models with interactive dashboards for actionable insights.

Technologies Used: React, FastAPI, Python, Scikit-learn, PostgreSQL, Tailwind CSS

QuickCart - Full-Stack E-Commerce Platform

Built a full-stack e-commerce application with authentication, cart management, product uploads, an admin panel, and cloud-based media storage, for a seamless shopping experience.

Technologies Used: Next.js, MongoDB, Clerk, Inngest, Cloudinary, Tailwind CSS