



JAYATHU SHEHAN

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PROFESSIONAL SUMMARY

Motivated Software Engineering undergraduate with practical experience in full-stack web development and mobile application development. Skilled in building scalable and modern applications using technologies such as React, Next.js, Node.js, and Flutter. Currently working as an Associate Software Engineer while completing a Bachelor’s degree in Software Engineering. Strong interest in developing innovative software solutions, including AI-powered accessibility technologies that improve the quality of life for people with disabilities.

TECHNICAL SKILLS

- Programming Languages
 - JavaScript, TypeScript, Python, Golang, Kotlin, SQL, R
- Frontend Development
 - HTML, CSS, React.js, Next.js, Angular
- Backend Development
 - Node.js, Express.js, NestJS
- Mobile Development
 - Flutter
- Cloud Platforms
 - AWS, Azure
- Databases
 - MongoDB, SQL, Supabase
- Tools & Technologies
 - Git, REST APIs, Agile Development

WORK EXPERIENCE

Associate Software Engineer

Softvil Technologies

April 2026 – Present

- Contributed to development and maintenance of full-stack applications.
- Collaborated with cross-functional teams to improve system performance.
- Implemented system improvements that enhanced reliability.
- Participated in testing, debugging, and deployment.

Full-Stack Software Engineer Intern

Softvil Technologies

Aug 2024 – Mar 2026

- Assisted in developing and optimizing system components.
- Supported system testing, validation, and debugging.
- Worked closely with senior developers to implement technical solutions.

PROJECTS

Object Detection Mobile Application for Blind and Deaf Community

Final Year Research Project

Tech Stack: Python, Flutter, Computer-Vision

- Developed a mobile application that detects surrounding objects using computer vision and provides feedback to users.
- Implementing AI-based object detection to help visually impaired users understand their environment.
- Integrating audio and haptic feedback mechanisms to improve accessibility for both blind and deaf users.
- Building the mobile application using Flutter and modern software development practices.

Home Tuition Web Platform

Tech Stack: Next.js, Express.js, MongoDB

- Designed and developed a full-stack web platform for managing tuition classes and educational content.
- Built a responsive frontend using Next.js to provide a fast and user-friendly interface.
- Developed backend APIs using Express.js to handle application logic and server-side operations.
- Implemented MongoDB for database management and efficient data storage.
- Integrated frontend and backend services to support dynamic content and user interactions.
- Deployed and maintained the platform to ensure reliability and performance.

EDUCATION

Bachelor of Software Engineering (Hons)

Sep 2022- April 2026

Informatics Institute of Technology (IIT)

Sep 2022 – Present

Specialization: Full-Stack Web Development & Mobile Application Development

Thesis: “Object Detection Mobile Application for Blind and Deaf Community”

G.C.E Advanced Level (Science Stream)

2021

Rahula College – Matara

Combined Mathematics – B

Physics – C

Chemistry – C

G.C.E Ordinary Level

2018

Rahula College – Matara

A – 3 | B – 4 | C – 2

ADDITIONAL DETAILS

Languages: English, Sinhala