

ARUNU SAMPATH

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SUMMARY

Undergraduate Software Engineer specializing in the **MERN stack**. Experienced in building scalable platforms with **role-based access control**, **payment integrations**, and **real-time systems**..

EDUCATION

Sri Lanka Institute of Information Technology (SLIIT) | *Expected Grad Date: 2027 BSc (Hons) in Information Technology – Data Science* | **GPA: 3.54 / 4.0**

- **Relevant Coursework:** Object-Oriented Programming, Database Design, Statistics.

TECHNICAL SKILLS

- **Languages:** JavaScript (ES6+), Java, C++, SQL, HTML5, CSS3.
- **Frameworks/Tools:** React.js, Node.js, Express.js, MongoDB, Docker, Git, Cloudinary.
- **Specialized:** RESTful API Design, JWT, Socket.io, Google Gemini API.

TECHNICAL PROJECTS

SerendibGo – Unified Travel Platform | *React, Node.js, MongoDB, Docker, Google Gemini API*

- Built a full-stack marketplace with **4 distinct user roles** (Admin, Guide, Hotel, Traveler) using a microservices-oriented approach.
- Integrated **Stripe API** for secure transactions and **Google Gemini API** for real-time, AI-powered travel recommendations.
- Containerized the environment using **Docker**, ensuring 100% consistency between development and production.

ProAssignment – Management System | *React, Node.js, Express, MongoDB, Socket.io*

- Developed **50+ REST API endpoints** across 14 route modules, improving system modularity and data retrieval speed.
- Implemented **real-time notifications** and live chat via **Socket.io**, significantly reducing communication latency.
- Optimized database performance through **custom indexing** on MongoDB, enhancing search efficiency for large datasets.
- **Live Demo:** [ProAssignment - Professional Assignment Services](#)

Geekspot – Tech E-Commerce Platform | *Vite, Tailwind, Node.js, Cloudinary, PDFKit*

- Built a full order lifecycle and an automated **PDF invoice generation** engine, streamlining the post-purchase user experience.
- Optimized media delivery using **Cloudinary**, reducing page load weight by approximately **40%**.
- Designed a real-time **Admin Dashboard** for inventory management and sales analytics.
- GitHub: <https://github.com/Blitz2001/geekspot>
- **Live Demo:** [Geekspot - Gaming & Tech Store](#)