

Education

SLIIT | Sri Lanka Institute of Information Technology BSc (Hons) in Information Technology

Specializing in Software Engineering

- Current Year: 3rd Year (Expected Graduation: 2026)
- GPA: 3.7
- Dean's List: Year 01 , Year 02

Projects

Commercial Project : AI-Driven Vehicle Spare Parts Management System

Role: Full-Stack Developer
December 2024 - Present

- Developed an AI-driven Vehicle Spare Parts Management System for company implementation, encompassing modules for stock, delivery, billing, and reporting.
- Real-time stock tracking, streamlined delivery management, automated billing, and dynamic reporting.
- Integrated a natural language AI chatbot (Google AI Studio) providing instant business insights directly from application data, empowering data-informed decisions.
- **Technologies** - React, Node.js, Express.js, MongoDB, Socket.io, Firebase, DigitalOcean, Google AI Studio.

Personal Project :AI-Powered Contract Testing Web Application

- Hosted an AI-Powered Contract Testing Web App (personal project) to automate API validation using Gemini AI, significantly improving API reliability testing.
- Enabled users to input API details & contract schemas for automatic AI-driven compliance verification, providing real-time, actionable feedback (mismatched fields, suggested fixes).
- Eliminated manual test case writing by delivering automated contract testing with AI insights, enhancing developer efficiency and ensuring API contract consistency.
- Designed an intuitive UI for user-friendly API testing, making advanced contract testing accessible without deep technical expertise.
- **Technologies** - React.js , Node.js ,Express.js , Google AI Studio
- **Live Demo** : [Smart Contract Testing](#)

University Project: AI-Enhanced Online Game Hosting Platform

- Developed Online Game Hosting Platform, enabling game developers to list and sell their browser-based games and customers to purchase and play games directly on the site.
- Implemented core modules: User Management, Product (Game) Management, Community features, integrated Shop functionality, and Customer Support system.
- Contributed to game development by creating several games using React.js and integrating them into the platform to showcase its capabilities and content.
- Integrated an AI Gaming Assistant (using Gemini AI) to provide in-game assistance to players, enhancing gameplay experience for specific titles.
- **Technologies** : React, Next UI, Node.js, Express.js, MongoDB, Gemini AI, Cloudinary, Multer, RESTful API.

Technical Skills

- **Frontend Development:** React.js, TypeScript, JavaScript, HTML, CSS, Tailwind CSS, Vue.js
- **Backend Development:** Node.js, Express.js, Java
- **Database Management:** MongoDB, MySQL, SQL
- **Version Control** :Git , GitHub
- **AI & Integrations:** Google AI model fine tuning, AI Agent Modeling

Soft Skills

- **Problem-Solving** – Efficient debugging and critical thinking
- **Communication** – Clear explanation of technical concepts and effective collaboration
- **Adaptability** – Quick learning of new technologies and adjusting to different workflows
- **Time Management** – Efficiently handling multiple tasks and meeting deadlines
- **Teamwork & Collaboration** – Working seamlessly with cross-functional teams and integrating feedback