Minidu Thiranjaya Perera

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Software Engineer · Java, Linux, backend · BSc (Hons) IT, graduating October 2026

Final-semester BSc (Hons) IT student at SLIIT, graduating October 2026, with six months of work on a live production banking system. At SysEnact Consulting I built the loan-disbursement solution used by State Mortgage & Investment Bank's loan officers, worked on-site with them, fixed production issues and handled Linux server operations. I also build backend and full-stack applications in Java/Spring Boot and Node.js, and have led university teams of four, five and eight people. Looking for a graduate, associate or junior software engineering role in Sri Lanka or remote.

EXPERIENCE

SysEnact Consulting — Software Engineer Intern, Core Banking

Nov 2024 – May 2025 · Colombo · Temenos core-banking consultancy (Sri Lanka & Singapore)

- Built the loan-disbursement solution for SMIB (State Mortgage & Investment Bank) on Temenos T24: the loan officers' screens and the business logic behind them. Replaced their Excel-based process: **an estimated ~30% more loans completed per month**.
- Learned T24's proprietary InfoBasic language and Java framework on the job, then wrote InfoBasic routines and Java logic on the T24 backend, including Enquiry programs for secured data retrieval and Version programs for input and validation.
- Worked on-site at SMIB head office with the bank's loan officers, turning their requests into working features.
- Fixed live production issues with business analysts, often the same day, and built the Cashback Loan Advice report.
- Ran Linux server operations for live banking services (SSH, SFTP, permissions, deployments) and set up Azure VMs and virtual networking. Also worked on DFCC Bank tasks.

PROJECTS

IoT Wearable Health Monitor

Python · scikit-learn · MQTT · Arduino · MERN · SLIIT, team lead of 5

- Wearable for elderly care tracking heart rate, motion, steps and falls. **Over 95% fall-detection accuracy**; cut manual monitoring work by about 60%.
- Built the scikit-learn models for anomaly and fall detection and the MQTT pipeline feeding a caregiver dashboard.

Fit Link

Java · Spring Boot · REST API · MongoDB · SLIIT, team lead of 4

- Social platform for sharing workouts and meal plans. Led the team and built the Spring Boot REST backend for posts and profiles, with secure login and privacy controls over health data.

Edge-based Smart Waste Monitoring

ESP32 · ESP8266 · MQTT · edge computing · SLIIT final-year research, individual

- Two-node IoT prototype with an adaptive reporting policy: each bin changes how often it reports based on its state, with a laptop acting as the edge gateway over MQTT and a live dashboard. Final presentation October 2026.

Wedding Management System

MongoDB · Express · React · Node.js · SLIIT, team lead of 8

- Platform connecting couples with venues and vendors, with CRUD dashboards and admin panels.

SKILLS

Languages: Java, JavaScript/TypeScript, Python, SQL, C++

Backend & web: Spring Boot, Node.js/Express, REST APIs, React, Next.js, MongoDB

Cloud & ops: Microsoft Azure (virtual networks, VM setup), Linux, SSH/SFTP, deployments, Git, production debugging

AI-assisted dev: Claude Code and agentic coding tools; ramping up on unfamiliar codebases

Testing: Unit and integration testing, Cypress, Selenium

Core banking: Temenos T24, InfoBasic, Enquiry and Version programming

IoT & ML: ESP32/ESP8266, Arduino, MQTT, scikit-learn, TensorFlow, pandas

EDUCATION

BSc (Hons) Information Technology — SLIIT, Malabe · Aug 2021 – Oct 2026 (expected)

G.C.E. Advanced Level, Engineering Technology & IT — Maharagama Central College, 2016–2018