Minidu Thiranjaya Perera

102/2, Samagi Mawatha, Godagama, Homagama.

0773319179 | Miniduthiranjayaiso@gmail.com | LinkedIn

GitHub | My Portfolio

EDUCATION

SLIIT   **Aug 2021 - Present**
BSc (Hons), Information Technology Specialising in Information Technology   *Malabe*

Maharagama central college   **2016 - 2018**
G.C.E Advanced Level, Engineering technology and IT (CCS)

PROFESSIONAL EXPERIENCE

SysEnact Consulting   **Nov 2024 - May 2025**
Core Banking Developer Intern   *Union Place, Colombo*

- Partnered with business analysts and bank officers to develop, customize, and maintain Temenos core banking modules (InfoBasic, Java), automating key workflows for two major banks (SMIB, DFCC).
- Automated mission-critical loan disbursement processes in SMIB's Loan Origination System, reducing manual errors by 30% and accelerating approval times across credit, risk, and legal teams.
- Built secure, user-friendly data forms and automated validation routines, ensuring compliance and enabling real-time transaction management for over 25 bank branches island-wide.
- Maintained secure backend integrations (FileZilla, SFTP, VPN) and managed development, UAT, and production access, utilizing Git for version control to safeguard sensitive data in remote environments.
- Managed Linux server operations, overseeing SSH access, file management, user permissions, and deployment of backend updates to support 24/7 core banking reliability.

SKILLS

- **Programming**: JavaScript (ES6+), Java, Python, C++, Kotlin, InfoBasic
- **Web & Backend**: MERN Stack, Spring Boot, REST APIs, HTML/CSS, Next.js
- **Databases**: MongoDB, SQL, Temenos Internal DB
- **DevOps & Tools**: Git, Linux (SSH), MQTT, SFTP, VPN
- **Cloud**: Vercel, Heroku, Firebase
- **IoT & Embedded**: ESP32, ESP8266, Arduino, Sensor Integration
- **Machine Learning & Data**: scikit-learn, ML Model Training, Predictive Analytics
- **Other**: Temenos Core Banking, InfoBasic Automation, WebSockets, Debugging, QA and automated Testing

PROFILE

Software Developer Intern with experience in developing and customizing Java-based core banking modules. Successfully automated loan disbursement processes, reducing errors by 30% and improving approval times. Skilled in building secure data forms and back end integrations, aiming to leverage technical expertise in Java to deliver high-quality solutions as a Java Engineer.

PROJECTS

Smart Waste Management System

- Designed a custom IoT device with multiple sensors for real-time waste bin monitoring, integrating automated alerts and predictive analytics into a web app for municipal and home users.
- Implemented MQTT based data transmission to MongoDB for reliable wireless cloud storage, and developed machine learning models to predict risk areas and bin usage patterns.

Fit Link - Fitness Social Platform

- Led a team of four to build a social platform for fitness enthusiasts, developing a scalable backend and engaging front end for real time community interaction.
- Enabled users to share meal plans, workouts, and posts, and to connect with friends through interactive features.

Wedding Management System

- Directed an eight-member team to launch a comprehensive wedding management platform connecting venues, florists, and service providers with couples.
- Built robust CRUD dashboards and admin panels to streamline event planning and vendor coordination.

IoT Wearable Health Monitor

- Led a five member team to design a wearable device for elderly care, implementing step tracking, fall detection, and automated risk alerts.
- Integrated MQTT notifications and real-time email alerts to caregivers, enhancing remote monitoring and safety.

Portfolio Website

- Built and deployed a personal portfolio website to showcase projects and technical skills, ensuring fast performance and mobile responsiveness.