Minidu Perera

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My Portfolio

PROFILE

Software developer with practical experience in fintech systems and a portfolio of projects spanning healthcare, waste management, and social platforms. Focused on building solutions that are both effective and maintainable, with a strong commitment to continuous learning and thoughtful problem-solving.

SKILLS

- **Languages & Frameworks**: JavaScript, TypeScript, Java, Python, C++, Kotlin, InfoBasic, Spring, MERN Stack (MongoDB, Express, React, Node.js), HTML5/CSS3, Next.js, MySQL, SQL, REST APIs, Spring Boot
- **Technologies**: Azure, Cloud Computing, REST APIs, Unit Testing, Internet of Things (IoT), Arduino, Machine Learning (scikit-learn), OOP, Temenos
- **Tools & Platforms**: Git, Linux(SSH, server operations), Oracle Database, Vercel, Selenium, Cypress
- **Other Skills**: Frontend, Backend, Full-Stack Development , Mobile Development, Project Management

EXPERIENCE

SysEnact Consulting – Software Developer Intern   **Nov 2024 - May 2025**
Union Place, Colombo

- Developed and maintained Temenos core banking modules for SMIB and DFCC banks, creating new transaction workflows via Java and Info-Basic, enhancing speed and accuracy of approvals.
- Automated SMIB's Loan Origination System workflows, cutting manual errors by 30% and accelerating multi-departmental approvals (credit, risk, legal).
- Delivered secure, compliant, and scalable business process automations, enabling real-time transaction handling for 100+ banking professionals across Sri Lanka.
- Optimized deployment processes by managing version control (Git) achieving 100% successful deployments with zero critical errors across development, UAT, and production environments.
- Managed Linux server ops: SSH access, secure file transfers, permission management, and back-end deployments — supporting 24/7 uninterrupted banking services.

EDUCATION

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

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

PROJECTS

IoT Wearable Health Monitor - Python, Arduino, MQTT, ML, MERN

- Led a five-member team in designing and building an AI-powered wearable for elderly care that captures real-time biometric (heart rate, motion) and activity (steps, fall detection) data—achieving over 95% fall-detection accuracy and cutting manual monitoring workload by 60%.
- Built and deployed Python/scikit-learn models to detect anomalies and predict health risks in real-time, helping caregivers respond faster and support remote patient monitoring and telehealth.

Smart Waste Management System - MERN Stack, Python (pandas, TensorFlow) , Arduino (ESP8266)

- Designed and built a custom IoT device using ESP8266, temperature, humidity, air quality, and waste-level sensors to enable real-time monitoring of waste bins, integrating automated alerts and predictive analytics into a web app for municipal and home users.
- Developed and trained a machine learning model to predict risk areas, bin filling patterns, and detect contamination, enabling proactive waste management and resource allocation.

Fit Link - Fitness Social Platform - Springboot

- 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.
- Developed social features for sharing workouts, meal plans, and posts, with secure login and privacy settings to protect users' health and fitness data.

Wedding Management System - MERN Stack (MongoDB, Express, React, Node.js)

- 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.