Amantha Indrajith Gamage

Software Engineering Intern
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PROFESSIONAL SUMMARY

Software engineering undergraduate with comprehensive skills in full-stack development. Proven ability to develop and deploy real-world applications, including retail point-of-sale (POS) and banking systems. Possesses a strong foundation in object-oriented programming (OOP), database management, and UI/UX design principles. A motivated and eager learner seeking to contribute technical expertise to a dynamic team and deliver high-impact software solutions.

EDUCATION

BSc (Hons) in Software Engineering | Expected 2027
Java Institute for Advanced Technology, Colombo, Sri Lanka
Relevant Coursework: Object-Oriented Programming, Database Systems, Web Development, Software Design & Architecture, Full-Stack Software Engineering

Japanese Language Proficiency Test (JLPT) N5 | 2023
British Way Campus, Malabe, Sri Lanka

GCE Advanced Level | 2022
St. Mary's College, Kegalle, Sri Lanka

GCE Ordinary Level | 2019
St. Mary's College, Kegalle, Sri Lanka

TECHNICAL PROJECTS

Banking Application (Python, Tkinter, SQLite)
Engineered a dual-interface (CLI and GUI) banking application to facilitate secure financial operations. Implemented core features including user account creation, balance inquiries, and fund transfer protocols. Applied object-oriented programming (OOP) principles to architect clean, maintainable, and reusable code.

Retail Point-of-Sale (POS) System (Java, Swing, MySQL)
Designed and implemented a full-featured POS system with modules for billing, product cataloguing, and inventory management.
Developed a modular and scalable user interface using Java Swing to enhance usability and ease of future maintenance.
Integrated a robust MySQL database for reliable data persistence and management.

Expense Tracker Web Application (React, TypeScript, MySQL, Prisma ORM**)**
Developed a dynamic single-page application (SPA) for personal finance management, enabling users to log and categorize expenses.
Implemented client-side form validation and data reporting features to ensure data integrity and user clarity.
Utilised Prisma ORM for efficient and type-safe database operations within a TypeScript environment.

REST API using Node/Express (TypeScript, Node,js, Express,js, SQLite, PrismaORM)

Built a modular RESTful API using TypeScript and Express; organized routes/controllers following an MVC-like structure for maintainability.

Implemented CRUD endpoints, centralized error handling, and environment-driven configuration for easy migration between SQLite and production databases.

Integrated Prisma (SQLite) for type-safe DB access, and prepared the codebase for improvements such as request validation, OpenAPI docs, and Docker-based deployment.

TECHNICAL SKILLS

- Programming Languages: Java, Python, JavaScript, TypeScript
- Frontend Development: HTML5, CSS3, React, React Native, Tkinter, Java Swing
- Backend & Database: MySQL, SQLite, Prisma ORM, Hibernate ORM, Java EE
- Tools & Platforms: Git, GitHub, VS Code, NetBeans
- Methodologies: Object-Oriented Programming (OOP), Agile, UI/UX Design Principles

CERTIFICATIONS

- Japanese Language Proficiency Test (JLPT) N5 Certification (2023)
- GCE Advanced Level (2022)
- GCE Ordinary Level (2019)

LANGUAGES

- Sinhala (Native Proficiency)
- English (Full Professional Proficiency)
- Japanese (Elementary Proficiency - JLPT N5)

PROFESSIONAL OBJECTIVE

To secure an Internship where I can apply my full-stack development capabilities to challenging real-world projects. I aim to contribute to a innovative team environment while further advancing my technical skills and pursuing a long-term career in software development.