

Amantha Indrajith Gamage

Full Stack Developer Intern

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 [Portfolio](#) |  [GitHub](#)

Professional Summary

Motivated Software Engineering undergraduate with hands-on experience developing full stack applications including point of sale systems, banking platforms, and RESTful APIs. Proficient in modern JavaScript and TypeScript technologies such as React, Node.js, and Express, along with database systems including MySQL, SQLite, MongoDB. Strong foundation in object-oriented programming with proven ability to implement intelligent form validation and deliver production ready solutions. Seeking Software Engineering Internship to apply technical expertise in building scalable, user focused applications.

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 Architecture, Full-Stack Engineering

Technical Projects

Expense Tracker Web Application

Tech Stack: React, TypeScript, MySQL, Prisma ORM

- Built a responsive single-page application enabling users to log, categorize, and analyze personal expenses with real-time data visualization
- Implemented client-side form validation and automated expense categorization, reducing data entry errors by 40%
- Designed type-safe database operations using Prisma ORM, ensuring data integrity across 500+ test transactions

RESTful API with Node.js & Express

Tech Stack: TypeScript, Node.js, Express.js, SQLite, Prisma ORM

- Architected a modular REST API following MVC design patterns with organized routes, controllers, and middleware for maintainability
- Implemented full CRUD operations with centralized error handling and environment-based configuration for seamless deployment
- Prepared production-ready codebase with Prisma integration for type-safe database access and schema migrations

Retail Point-of-Sale (POS) System

Tech Stack: Java, Swing, MySQL

- Developed a comprehensive POS system managing billing, inventory, and product cataloging for small retail operations
- Created an intuitive GUI using Java Swing, reducing cashier training time and improving checkout efficiency
- Integrated MySQL database supporting concurrent transactions and real-time inventory updates

E-Commerce Web Application

Tech Stack: MongoDB, Express.js, React, Node.js (MERN)

- Developed full-stack e-commerce platform with user authentication, product catalog, shopping cart, and order management functionality
- Implemented MongoDB database schema with User, Product, Cart, and Order models supporting both authenticated and guest user sessions
- Created RESTful API with Express.js backend featuring text search indexing, password encryption, and secure authentication methods
- Built responsive React frontend with dynamic product filtering by category and price, cart persistence, and order tracking capabilities

Technical Skills

Programming Languages: JavaScript / TypeScript, Java, Python, PHP, HTML5, CSS3

Frameworks & Libraries: React, React Native, Node.js, Express.js, Tailwind CSS, Bootstrap

Databases & ORM / Data Storage: MySQL, SQLite, MongoDB, Prisma, Mongoose, Hibernate

Tools & Dev Platforms: Git, GitHub, GitLab, Docker, VS Code, Postman

Web & API Skills: REST APIs, Cross-browser compatibility

Languages

- **Sinhala:** Native
- **English:** Professional working proficiency
- **Japanese:** Elementary (JLPT N5)

Professional Objective

Seeking a Full Stack Developer internship to apply my skills to real-world challenges, contribute to collaborative team environments, and build scalable software solutions that drive business value.