

## **NETHMI NANAYAKKARA**

Full Stack Developer | Java | Spring Boot | MERN Stack | React Native

Galle, Southern Province, Sri Lanka

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## **PROFESSIONAL SUMMARY**

Full Stack Developer with strong experience in Java, Spring Boot, MERN stack, and desktop/web application development. Skilled in designing secure, scalable systems using clean architecture, OOP principles, and modern UI frameworks. Passionate about solving real-world problems through maintainable and user-focused software solutions.

## **TECHNICAL SKILLS**

Frontend: React.js, React Native, TypeScript, JavaScript, HTML5, CSS3, Bootstrap, JavaFX

Backend: Spring Boot, Java, Node.js, Express.js, Python

Databases: MySQL, MongoDB

ORM & Persistence: Hibernate, JPA

Architecture & Concepts: Layered Architecture, MVC, OOP, REST APIs

Security & Auth: JWT, OAuth2 (Google), Spring Security

AI & APIs: Google Gemini API, Ollama (Local LLM)

Tools: Git, GitHub, VS Code, Postman, Expo, Apache Tomcat, Maven

## **PROJECT EXPERIENCE**

StitchWave – Smart Garment Stock Management System

Technologies: JavaFX, MySQL, OOP, Layered Architecture

- Developed a JavaFX-based desktop application to manage garment stock and inventory operations.
- Implemented layered architecture separating UI, business logic, and data access.
- Built real-time tracking for fabrics, sewn garments, orders, and inventory levels.
- Implemented role-based access for Owner, Sales Manager, Stock Manager, and staff.
- Added low-stock alerts and stock reporting features to support business decisions.

Mental Health Therapy Center Management System

Technologies: Java, JavaFX, Hibernate, MySQL, Maven

- Developed a Java desktop application to manage therapists, patients, and therapy sessions.
- Implemented role-based access for Admin and Receptionist roles.
- Designed therapy scheduling based on therapist availability.
- Integrated payment handling and reporting modules.

### BarkBuddy – Full-Stack Pet Adoption & Care Platform

Technologies: Spring Boot, Java, MySQL, JavaScript, Bootstrap, Ollama AI

- Built a full-stack platform connecting pets with adopters and pet owners.
- Implemented JWT authentication and Google OAuth2 using Spring Security.
- Developed Lost & Found system, messaging with image sharing, and admin dashboard.
- Integrated on-device AI chatbot using Ollama for pet care assistance.

### InterviewAce – AI Interview Simulator

Technologies: MERN Stack, TypeScript, Google Gemini API

- Developed an AI-powered interview simulation platform with real-time feedback.
- Implemented dynamic question generation and voice-based interaction.

### Responsive Hotel Website

Technologies: HTML5, CSS3, Bootstrap, JavaScript

- Designed and developed a responsive hotel website using mobile-first principles.
- Focused on clean layouts, modern UI, and cross-device compatibility.

## EDUCATION

Undergraduate Student – Software Engineering