VIHANGA NIMSARA

FULL STACK / BACKEND DEVELOPER

+94740025243
knimsaravihanga@gmail.com
Baduraliya,Sri Lanka
LinkedIn: https://www.linkedin.com/in/vihanga-nimsara-6a8181317/
GitHub: https://github.com/kvn2004
Portfolio: https://vihanga-nimsara.vercel.app/

PROFESSIONAL SUMMERY

Motivated Computer Science undergraduate seeking a **Full Stack or Backend Developer Internship**. Hands-on experience in **Java, Spring Boot, REST APIs, MERN stack, and database-driven applications** through academic and personal projects. Strong understanding of **MVC architecture, authentication, and CRUD operations**. Passionate about building scalable, real-world software solutions and continuously learning modern technologies.

TECHNICAL SKILLS

Programming Languages: Java (J2EE), JavaScript (**ES6+**), Python
Backend Technologies: Spring Boot (**Spring Data JPA, Spring Security**), Java Servlets, Node.js, Express.js
Frontend Technologies: React, HTML, CSS, Tailwind CSS, JavaFX, Flutter
Databases: MySQL, MongoDB, Firebase Firestore
Authentication & Security: JWT Authentication, Role-Based Access Control
Architectures & Concepts: MVC Architecture, Layered Architecture, REST APIs, CRUD Operations
Tools & Platforms: Git, GitHub, IntelliJ IDEA, Postman, Vercel, Render

PROJECTS

ClassSphere – Tuition Class Management System

Spring Boot | MySQL | REST APIs | JWT | Payment Gateway

- Developed a web-based management system for tuition classes using Spring Boot.
- Implemented student enrollment, batch scheduling, fee tracking, and payment management.
- Built RESTful APIs for backend services and data communication.
- Integrated JWT-based authentication for secure user access.
- Implemented online payment gateway functionality.
- Designed and managed relational databases using MySQL.
- Technologies: Spring Boot, MySQL, REST APIs, JWT, HTML, CSS, JavaScript

GitHub: https://github.com/kvn2004/CLASS-SPHERE.git

Care_Her – Smart Period Tracking & AI Assistant

MERN Stack | JWT Authentication
- Built a full-stack period tracking web application with personalized insights.
- Developed backend APIs using Node.js and Express.js.
- Implemented JWT authentication and secure session management.
- Integrated MongoDB for user data and tracking history.
- Developed a responsive frontend using React.
- Technologies: MongoDB, Express.js, React, Node.js, REST APIs, JWT

GitHub: https://github.com/kvn2004/MERN_full_project.git

Madura Tailors – Tailor Shop Management System

Java | JavaFX | MySQL | MVC
- Developed a desktop-based management system for a tailor shop.
- Implemented customer, order, and inventory management features.
- Added role-based authentication for admin and staff users.
- Designed database schema and implemented CRUD operations using MySQL.
- Applied MVC architecture to separate UI, business logic, and data access layers.
- Technologies: Java, JavaFX, MySQL, MVC

GitHub: https://github.com/kvn2004/Madura-Tailors-Coat-Center.git

Weather App

Flutter | Dart | API Integration
- Developed a mobile application to display real-time weather data.
- Integrated third-party REST APIs to fetch live weather information.
- Designed responsive UI using Flutter widgets.
- Technologies: Flutter, Dart, REST API

GitHub: https://github.com/kvn2004/WeatherApp.git

EDUCATION

BSc (Hons) Computer Science (Expected)
University of Bolton, UK

G.C.E. Advanced Level – Technology Stream
Ananda Sastralaya, Mathugama

CERTIFICATIONS

Foundations of Cybersecurity – Coursera
Completed: April 2024
Credential ID: AYL6DZVUUGBG
Credential URL: https://www.coursera.org/account/accomplishments/verify/AYL6DZVUUGBG