

UDAI SENEVIRATHNE

SOFTWARE ENGINEERING UNDERGRADUATE

☎ +94 772 321 706

✉ udaisenevirathne@gmail.com

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INTRODUCTION

I am a dedicated Software Engineering undergraduate at the National Institute of Business Management, with a strong foundation in full-stack development, mobile app development, and machine learning. Passionate about leveraging technology to solve real-world problems, I have hands-on experience in projects. I am committed to continuously enhancing my skills and contributing innovative solutions to impactful software development initiatives.

EDUCATION

- **Higher National Diploma in Software Engineering**, National Institute of Business Management
2024 – 2025
- **Diploma in Software Engineering**, National Institute of Business Management
2023 – 2024
- **Diploma in English**, Britishway English Academy
2020
- **G.C.E. Advanced Level**, Rahula College, Matara
2020 – 2023

PROJECTS

RESTful API for Product Management

2025

A robust RESTful API built with Node.js and Express.js, supporting both MySQL and MongoDB databases. The API enables user registration and login (without authentication) and offers full CRUD operations for product management. Designed with comprehensive input validation and error handling, it is optimized for seamless integration with Flutter applications.

Features: User Registration/Login, Full Product CRUD, Dual Database Support (MySQL & MongoDB), Joi Validation, Error Logging

Technologies: Node.js, Express.js, MySQL, MongoDB, Joi

Donut App

2025

A modern Flutter application with Firebase authentication and a visually appealing donut-themed user interface. Built using clean architecture principles and BLoC for state management, the app ensures smooth navigation and an engaging experience for donut lovers.

Technologies: Flutter, Firebase Authentication, Bloc

Smart Hub App

2025

An intuitive smart home application that allows users to view, various smart devices and detail screens for each items. Clean UI and state management. Used dummy API for the list of items

Technologies: Flutter, Bloc

Weather App

2025

A sleek weather forecasting app that displays live, location-based weather data including temperature, humidity, wind speed, and weather conditions. Users are greeted with a visually engaging splash screen and can access real-time updates with a single tap.

Technologies: Flutter, OpenWeatherMap API, Geolocator, Bloc

SafeCom Mobile App

2025 (Ongoing)

A mobile app enhancing community safety by allowing users to report and view real-time local incidents like thefts and emergencies, with map-based visualizations and location-based alerts.

Technologies: Flutter, Firebase, Google Maps API

ServicePro: Service Provider Mobile App

2025

A platform connecting users with local service providers (e.g., electricians, cleaners). Includes service listings, user accounts, booking features, and chat functionality.

Technologies: Kotlin, Firebase

Gym Management System

2024

A web application for gym operations, managing members, attendance, packages, and payments. Supports role-based access for admins and trainers.

Technologies: React.js, Spring Boot, MySQL

Loan Prediction System

2024

A machine learning model to predict loan approval likelihood using user financial data, aiding financial institutions in risk assessment.

Technologies: Python, Pandas, Scikit-learn

MEN Clothing Website

2024

An e-commerce website for men's fashion featuring product browsing, a shopping cart, user login, and an admin panel for order and inventory management.

Technologies: HTML, CSS, PHP, MySQL

TECHNICAL SKILLS

- **Languages:** C, C#, Java, Python, SQL, PHP
- **Frameworks:** React.js, Spring Boot
- **Mobile:** Kotlin, Flutter
- **Databases:** Oracle, MySQL, MongoDB, Firebase
- **Tools:** Git, GitHub, VS Code, JetBrains Products, Postman, Android Studio, Figma, Cursor

CERTIFICATIONS

- **Flutter Masterclass** – Udemy (June 2025)
- **ChatGPT Prompt Engineering** – DeepLearning.AI (May 2025)
- **Database Foundations** – Oracle (Sep 2024)
- **REST API (Intermediate)** – HackerRank (Nov 2024)
- **Software Engineer** – HackerRank (Nov 2024)
- **SQL (Basic)** – HackerRank (Nov 2024)

SOFT SKILLS

- Strong team collaboration and interpersonal communication.
- Confident decision-making and problem-solving skills.
- Adaptable and creative.
- Skilled in conflict resolution and team motivation.
- Effective time management and multitasking ability.

EXTRA-CURRICULAR ACTIVITIES

- **Computer Society – Head of Events and Logistics**, NIBM Matara
- **IEEE Student Branch – Team Member**, NIBM Matara
- **Former Rugby Player**, Rahula College, Matara

LANGUAGES

- **English:** Proficient (Speaking, Reading, Writing)
- **Sinhala:** Native

REFERENCES

Ms. Limashi Rashmika — Visiting Lecturer at NIBM, COO & Director at LUXN (Pvt) Ltd
Phone: +94 77 334 0025 — Email: limashi@vl.nibm.lk