DHANUSHANANDAN ANANDHAMURUGAN

FULL-STACK DEVELOPER

86,Soysakella Road, Nawalapitiya | danushanandan1@gmail.com | My_Website | GitHub | LinkedIn
| Whatsapp

PROFILE

Solution-oriented and problem solver who's having experience with building and maintaining. software with good software architecture and industrial best practices. Highly skilled in communication, collaboration, and technical documentation. Actively seeking an Associate Software developer role with a particular interest in full stack development.
Hard working and work under any pressure or situation with calm.

TECHNICAL SKILLS

- **Programming** | Java (JDK-21) , C , C++ . Python, Kotlin , C#
- **Development** | JavaScript , React , MySQL, PHP, HTML, CSS, Maven, Spring Boot, Flask
- **Frameworks** | Bootstrap, Tailwind CSS, .NET Framework
- **Database** | SQL, phpMyAdmin, MongoDB
- **API Testing** | Postman
- **Tools** | Eclipse, NetBeans, Android Studio, Visual Studio, Visual Studio code, IntelliJ , GitHub, Arduino IDE, Proteus, Jupyter Notebook , Google Colab, Figma
- **Cloud Based database** | Firebase
- **Machine Learning Basic**
- **Robotic & IoT** | Various Micro Controllers & IoT Modules , BLYNK app

SOFT SKILLS

- Team Collaboration
- Responsible
- Easy Adaptable
- Continuous improvement
- Time Management
- Researcher
- Critical Thinking
- Problem-Solving
- Design Principles
- Collaborative Environment
- Communication
- Creative & Inovation

EDUCATION

Diploma in Software Engineering National Insitute of Business Management (GPA 3.97/4.0)	**Mar 2023 - Mar 2024**
Higher National Diploma in Software Engineering National Insitute of Business Management	**Apr 2024 - Apr 2025**
English Language & Literature ESOFT	**2017 - 2018**
G.C.E Advance Level (Biology) Highlands College - Hatton	**2018 - 2020**
G.C.E Ordinary Level Highlands College - Hatton	**2017**

- **Website for an Engineering Construction.**   **Github**

    Developed a Construction plan design management system using HTML, CSS, JavaScript for a dynamic responsive frontend and PHP to handle backend logic. utilized MySQL, a relational database, to store and manage customer and Construction design plan data, enabling flexible and scalable data handling.

- **Library Management System.**   **Github**

    Developed a Library Management System using Java with MVC architecture and Spring Boot to build RESTful APIs. Implemented full CRUD operations for managing books, members, and memberships, with MySQL for persistent data storage. Utilized Spring Web, Spring Data JPA, and PhpMyAdmin for backend development and database management. Postman was used for API testing. Frontend was built with HTML, CSS, and JavaScript, providing a user-friendly interface.

- **Doctor Online Booking Management system.**   **Github**

    Developed a Java-based Doctor Online Booking & Management System using Swing and MySQL, enabling online appointment scheduling, user authentication, and secure data management. Contributed to interface design and testing, enhancing healthcare accessibility and efficiency.

- **Automated Liquid Level Detection Robotic Project**   **Github**

    Developed an automated liquid level detection and transport system using Arduino, IR and capacitive sensors to ensure accurate bottle filling in beverage production. Underfilled bottles are removed from the conveyor using a robotic arm for refilling, while correctly filled bottles are transported via an automated vehicle along a predefined path, enhancing efficiency and reducing manual errors.

- **IoT Advance based Health care Monitoring System**   **Github**

    Developed a smart healthcare monitoring system using sensors to track vital signs such as heart rate, SPO2, blood pressure, body temperature, and room conditions (temperature & humidity). The system features ECG display, fall detection, emergency activation via a switch, and real-time alerts through voice messages, SMS, and live GPS tracking. Patient data is displayed on the Blynk app, stored in Firebase, Google Sheets, and SD card for backup, enhancing remote monitoring and emergency responsiveness.

- **News Reporting Application   Github**

    Developed a news reporting mobile application using Android Studio with Kotlin and Java, featuring a responsive UI and real-time updates via Firebase. The app includes distinct roles for viewers, reporters, and an admin panel for content and user management. Ensured clean, scalable code and followed best practices in mobile development and UI/UX design.

- **AI Powered Advance Inventory Management System.**   **April 2025 - Present**

    Related an AI-powered Inventory Management System using machine learning to optimize stock levels, reduce costs, and identify product shortages and overstocking. Built with React, HTML/CSS, and JavaScript (front-end), Python and Java (back-end), and MongoDB/MySQL for database management. Integrated Scikit-learn and TensorFlow for real-time analytics and intelligent stock monitoring.

- **Website for a wedding photographic shop**   **April 2025 - Present**

    Developed an official website for a wedding photography shop using HTML, CSS, JavaScript, and React. The website showcases services, photo galleries, client testimonials, and contact details, offering an engaging and responsive user experience to attract potential clients and enhance the shop's online presence.

- **Multi Disease Prediction System   Github**

    Developed a machine learning-based web application using Python and Flask to predict Diabetes, Heart Disease, Stroke, and chronic kidney disease (CKD). Implemented supervised learning algorithms including Random Forest, Decision Tree, KNN, SVM, and Logistic Regression. Built and deployed models with a user-friendly interface using HTML, CSS and JavaScript.

- **More Projects and Details Display in the Website   Website**

CERTIFICATIONS

Diploma in Software Engineering   **Mar 2023 - Apr 2024**
National Insitute of Business Management

Scholarship Award for HND in Software Engineering   **Aug 2024**
National Insitute of Business Management

Fundamental of hardware Technician   **Mar 2018**
Zonal Computer Resources Centre

Spoken English   **2011**
Institute of Western Music & Speech

ADDITIONAL INFORMATION

- **Languages:** English, Sinhala, Tamil.
- **Healthcare Society member**   **2017 - 2020**
- **Science Competiton**   **2015**

REFERENCES

- Mr. Manjula Kulathunga, CEO and Senior Software Engineer, Wysheit Technologies
  manjula@wysheit.com, +94 77 620 0029
- Mrs. Inoka.abayasinghe@nibm.lk, Senior Consultant/ Lecturer, NIBM Kandy ,
  inoka.abayasinghe@nibm.lk , +94 77 780 7383
- Mrs. Anjula Weerasinghe, Consultant/ Lecturer, NIBM Kandy, anjula@nibm.lk, +94 71 322 9158