

# Dhanushika Madushani

## FULL-STACK DEVELOPER | BSC (HONS) COMPUTING & SOFTWARE ENGINEERING

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Portfolio: <https://my-portfolio-rup1.vercel.app/>

GitHub: <https://github.com/DhanushikaGit>

### Professional Summary

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Full-Stack Developer with expertise in React, Node.js, and Laravel, skilled in building scalable web and mobile applications. Strong foundation in databases, APIs, and cloud platforms. Passionate about AI, Cloud, and Blockchain, eager to deliver innovative solutions in dynamic environments.

### Education

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Cardiff Metropolitan University | 2022 – 2025

BSc (Hons) in Computing & Software Engineering

GCE A/L (Physical Science Stream) | 2020

GCE O/L | 2017

### Certification

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- React JS Tutorial — Great Learning Academy (Nov 2024)
- Python for Beginners — University of Moratuwa (Dec 2024)
- Front-End Web Development — University of Moratuwa (Mar 2025)
- Build a free website with WordPress-Coursera Project Network (Oct 2025)
- Graphic design-Coursera Project Network (Oct 2025)
- Use WordPress to Create a Blog for your Business- Coursera Project Network (Oct 2025)

### Skills

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**Frontend Development:** React.js, Next.js, Tailwind CSS, Bootstrap, SCSS, HTML5, CSS3, Responsive UI Design

**Backend Development:** Node.js, Express.js, Laravel, PHP, C#/.NET, Java (Spring basics)

**Databases & Cloud:** MongoDB (schema design, scalability), MySQL (optimization), Firebase, Vercel

**Programming Languages:** JavaScript (ES6+), Python, Java, PHP, C#

**APIs & Integrations:** RESTful APIs, JWT Authentication, Role-Based Access Control, Payment Gateway Integration, External API Integration (e.g., TMDB, Train APIs)

**Machine Learning & Data:** Scikit-learn, Pandas, Matplotlib (basic ML model building & visualization)

**Software Engineering Practices:** Agile/Scrum, MVC Architecture, CRUD Systems, Version Control (Git/GitHub), Postman for API testing

**Platforms & Tools:** Android Studio, GitHub Actions (CI/CD basics), WordPress, Figma (UI collaboration)

### Projects

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### **Doctor Appointment Booking System (MERN Stack)**

- Developed a scheduling platform with role-based access for doctors, patients, and admins.
  - Integrated secure payment processing and scalable MongoDB structure.
- Technologies: React, Node.js, Express.js, MongoDB, Bootstrap

### **E-Commerce Website (Laravel)**

- Built an e-commerce site with product browsing, cart, and secure checkout.
  - Designed optimized MySQL database for inventory and orders.
- Technologies: Laravel, PHP, MySQL, Bootstrap

### **Train Ticket Booking System (C#.NET)**

- Created a real-time ticketing platform with seat reservation.
  - Integrated external APIs for accurate train data.
- Technologies: C#, .NET, MySQL, APIs

### **Waste Management System (Full-Stack)**

- Built a waste tracking and reporting platform for better resource allocation.
  - Implemented backend logic with PHP and Java, connected to MySQL.
- Technologies: PHP, Java, MySQL, Bootstrap

### **Restaurant Web App (Java)**

- Designed a responsive system for online orders and reservations.
  - Reduced order processing time with optimized database structure.
- Technologies: Java, MySQL, JavaScript, Bootstrap

### **Movie Exploration App (React)**

- Developed a movie search app using TMDB API.
  - Built reusable, maintainable UI components.
- Technologies: React, JavaScript, SCSS, Bootstrap, TMDB API

### **Product Management Web App (MERN Stack)**

- Built a CRUD product management app with real-time search.
  - Implemented RESTful APIs and responsive React interface.
- Technologies: MongoDB, Express.js, React, Node.js, Responsive Design

## **References**

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### **Mr. Induranga Chamendra**

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### **Mr. Kanchana Wimalasurendre**

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