

Pethum Shyam

SOFTWARE ENGINEER | REACT.JS EXPERT | NODE.JS EXPERT

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Profile Summary

First Class Software Engineering graduate with hands-on experience in full-stack web development. Proficient in frontend technologies such as React and backend development using Node.js and Express.js. Skilled in working with relational databases (SQL) and NoSQL databases (MongoDB). Demonstrates strong understanding of RESTful API development, Agile workflows, and version control with Git. Eager to contribute technical skills and continue learning through a software engineering internship in a collaborative environment.

Skills

- Languages: Java, JavaScript, HTML, CSS, C++, C#, PHP
- Frameworks/Libraries: React, Node.js, Express.js, .NET, Bootstrap, jQuery
- Databases: MongoDB, SQL
- Tools: Git, Firebase, Android Studio, Eclipse, XAMPP

Education

BSc (Hons) in Software Engineering

First Class (2022–2025)

Cardiff Metropolitan University

Major: Web Development | Minor: Machine Learning

Projects

Path to Grow – AI Driven Career Development Platform with Skill Gap Analysis

- A web application that helps users identify skill gaps, optimize their CVs, and generate personalized career roadmaps. Features real-time job application tracking using the Adzuna API and smart career recommendations via Google Gemini AI. Developed as the Final Year Project.
- **Technologies used:** React, Node.js, Express.js, MongoDB, Google Gemini API, Google Auth

Diabetic Health Care System

- A multi-user Electronic Health Record and Patient Tracking System tailored for Sri Lanka's national diabetic care services. Supports multiple user roles including doctor, lab technician, pharmacist, receptionist, admin, and patient. Enables secure handling of medical records, lab reports, prescriptions, visit tracking, and risk-based care plans
- **Technologies used:** PHP, JavaScript, SQL, Bootstrap, CSS, XAMPP, jQuery

PetCare Mobile App

- An Android app that connects pet owners with caregivers, supporting request posting, user registration, and service acceptance
- **Technologies used:** Java, Firebase, Android Studio

Sri Lanka Railway Train Booking System

- A real-time seat reservation system for train travelers, featuring secure booking, authentication, and scheduling APIs. Includes a client-facing web interface where users can view train details and make bookings.
- **Technologies used:** C#, .NET Framework (backend), HTML, CSS, JavaScript, Bootstrap (frontend), SQL

ABC Restaurant Web Application

- A complete restaurant management system with modules for food ordering (with cart), table reservations, sales analytics (charts, PDF reports), and an admin dashboard. Designed using the MVC architecture and implemented with clean code practices and design patterns.
- **Technologies used:** Java, JSP, HTML, CSS, Bootstrap, Eclipse, MVC Architecture

Outer Clove Restaurant Web Application

- A web-based restaurant management application built for Outer Clove, enabling staff coordination, order handling, and dynamic menu management via a user-friendly interface.
- **Technologies used:** PHP, SQL, HTML, CSS, JavaScript, Bootstrap, XAMPP

Futuristic Weather Web Application

- A weather forecasting web app that displays current, hourly, and daily forecasts using mock data. Includes a search bar, responsive design, and structure ready for real API integration.
- **Technologies used:** React.js, HTML5, CSS3, Bootstrap

Certifications

- Meta Front-End Developer - Coursera (2024)
- Google UX Design Professional - Coursera (2024)
- Web Designing for Beginners - University of Moratuwa (2023)

References

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