

# SHAROOSHAN PATHMANATHAN

## EDUCATION

### B.SC (HONS) IN COMPUTING AND SOFTWARE ENGINEERING

Cardiff Metropolitan University - UK (PART - TIME)  
Started: 2023

### SECONDARY SCHOOL

Methodist Central College - Batticaloa

## CERTIFICATES

### E-Certificate in Artificial Intelligence

Institution: Novitech R&D Private Limited, India  
Details: Completed Master Class and Short Internship.

The Complete 2024 Web Development Bootcamp –  
Udemy

Flutter & Dart – The Complete Guide [2024 Edition]

MySQL for Beginners: Real Database Experience  
Real Fast

## LANGUAGES

- Tamil
- English
- Sinhala

## MY KEY STRENGTHS

- Problem-Solving Skills
- Adaptability
- Team Collaboration
- Technical Proficiency

## INTERN SOFTWARE ENGINEER

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## ABOUT ME

I am a passionate web developer and a BSc Software Engineering student with expertise in both front-end and back-end development. Skilled in HTML, CSS, JavaScript, React, Angular, and frameworks like Node.js and Spring Boot, I specialize in building user-friendly and robust applications. With experience in mobile development using Flutter and database management with MySQL and MS SQL, I am currently working as a part-time intern software engineer. I am committed to continuous learning and applying new technologies to create scalable and efficient solutions.

## EXPERIENCE

### INTERN SOFTWARE ENGINEER (part time)

Batti Zone (Pvt) Ltd

Present (2024) - Part-time

- Assisted in the development and maintenance of software applications, contributing to both front-end and back-end tasks.
- Collaborated with senior engineers on designing and implementing new features.
- Conducted testing and debugging to ensure high-quality code.
- Assisted with database management and optimization tasks.

## SKILLS

- **Front-end Development:** Proficient in HTML, CSS, JavaScript, and frameworks like React and Angular.
- **Back-end Development:** Experienced with Node.js, Express, Spring Boot, and Laravel.
- **Mobile Development:** Skilled in Flutter (Android & iOS), Android Studio, and Xcode.
- **Programming Languages:** Python, Java, JavaScript, C#, C++, Dart, with Git and GitHub.
- **Databases:** MySQL, MS SQL, Firebase, PostgreSQL, with tools like phpMyAdmin and MySQL Workbench.



# PROJECTS

## WEB DEVELOPMENT

### Crime Management System

Developed using **PHP, HTML, JavaScript, CSS, MySQL**

- Designed an online platform for citizens to report crimes, manage cases, and track progress.
- Integrated online fine payment, lawyer consultation, and clearance certificate features.
- Developed an administrative interface for police case handling and clearance processing.

### Service-Oriented Computing System for Computer Shop

Developed using **C#, PHP, HTML, CSS, JavaScript, MSSQL**

- Created a web system for managing computer shop services and supplier connections through APIs.
- Integrated supplier APIs for automated inventory updates and order processing.

### Face Recognition-Based Attendance Marking System

Developed using **Python**

- Implemented a face recognition system to automate attendance marking, enhancing accuracy and efficiency.
- Utilized machine learning libraries for face detection and recognition, integrated with a user-friendly interface for seamless attendance management.

### Crowd Funding and Blood Donation Website

Developed using **PHP, HTML, JavaScript, MySQL**

- Created a platform for managing crowdfunding campaigns and blood donations.
- Implemented secure donation processing and user-friendly interfaces.

### Coffee Shop Management System

Developed using **PHP, HTML, JavaScript, MySQL**

- Designed a system for managing orders, inventory, reservations, and online payments.
- Developed interfaces for customers and admins to manage orders and transactions.

## JAVA PROJECTS

### Book Management System

Developed using **Java (OOP) and MySQL**

- Designed and implemented a book management system using object-oriented programming principles.
- Enabled functionalities for adding, updating, and deleting book records, as well as searching and sorting.
- Utilized MySQL for managing and storing book details, including titles, authors, and availability.

### Bags Management System

Developed using **Java (OOP) and MySQL**

- Created a comprehensive system for managing inventory and sales of bags using OOP principles in Java.
- Implemented features for adding, updating, and tracking bag inventory and sales transactions.
- Used MySQL for efficient data storage, including product details, stock levels, and transaction records.



# MOBILE APPLICATION DEVELOPMENT

## Dog Nutrition Shop App

Developed using **Android Studio**

- Designed and developed a mobile application for a dog nutrition shop, offering a product catalog, shopping cart, and user-friendly interface for browsing dog food products.
- Implemented payment gateway integration and order tracking features for a seamless shopping experience.

## Crime Management App

Currently developing using **Flutter**

- Developing a mobile application for crime management, enabling users to report crimes, track cases, and interact with law enforcement.
- Implementing real-time notifications, secure data storage, and efficient case management features.

## Blood Donation App

Currently developing using **Flutter**

- Developing a mobile application to connect blood donors with recipients, incorporating features like donation tracking, location-based matching, and real-time alerts.
- Integrating user authentication, donation records, and blood type compatibility functionalities.

# WORDPRESS PROJECTS

## University Project - Website Editing (WordPress)

- Customized and edited university project websites using WordPress, enhancing functionality and user experience.

## BattiZone Website Development (WordPress)

- Developed and launched the BattiZone website using WordPress, implementing custom themes, plugins, and responsive design to meet client requirements.

## REFEREES:

### Gnanasegaram Mangalan

Associate Security Engineer | Visiting

Lecturer

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### K.Thevaruban.

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