




PIYAMANTHA WEERASINGHE

Software Engineering Graduated

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EDUCATION

BSc (Hons) in Software Engineering (Second Upper Division) Cardiff Metropolitan University	2023 - 2024
HD in Software Engineering (Second Lower Division) ICBT campus	2020 - 2022
Welimada Central Collage	2011 - 2018

PROJECTS

Stress Detection Web Project Git Hub Link	Sep - 2024
<ul style="list-style-type: none">Tech Stack: React.js, Node.js, Express.js, MongoDB, Python (Machine Learning), Material-UIDeveloped a full-stack web application that predicts a user's stress level based on lifestyle and health-related data using a machine learning model.Integrated a trained ML model (via a pickle file) into the Node.js backend for real-time predictions.Built an interactive dashboard with form inputs for features like age, gender, sleep duration, BMI, heart rate, and daily steps.	
ABC Lab System Git Hub Link	April - 2024
<ul style="list-style-type: none">Tech Stack: HTML, CSS, Bootstrap, Spring Boot, MySQLDeveloped a web-based laboratory management system to automate and streamline day-to-day lab operations.Implemented the backend with Spring Boot, enabling efficient handling of business logic, RESTful APIs, and secure role-based authentication.Integrated MySQL for structured data storage, managing lab records, test results, and user details with high consistency.	
Portfolio Website Git Hub Link	january -2025
<ul style="list-style-type: none">Tech Stack: React.js, Tailwind CSS, JavaScript, React Icons, React RouterDesigned and developed a fully responsive personal portfolio website to showcase professional skills, projects, and resumeImplemented a modern and interactive UI using React.js and Tailwind CSS, focusing on clean layout and user experience.Organized key sections including Home, About, Skills, Projects, Resume, and Contact with intuitive navigation using React Router.	
Ecommerce website Git Hub Link	May - 2025
<ul style="list-style-type: none">A fully responsive front-end e-commerce web application built using React.js and Tailwind CSS. This modern shopping platform features a clean and intuitive user interface, allowing users to explore products across multiple categories such as Men, Women, Kids, Accessories, and more.	

TECHNICAL SKILLS

- Programming Languages: Java, JavaScript, Python, HTML5,CSS3
 - Development Tools: Visual Studio Code, Eclipse, IntelliJ IDEA , Figma, spring tool
 - Web Development: HTML, CSS, React, Next
 - Database Management: MySQL , MongoDB
 - Version Control: Git
 - Software Development Methodologies: Agile, Scrum
 - Problem-Solving: Algorithms, Data Structures
 - Operating Systems: Windows , Mac
 - MERN stack
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CERTIFICATES

Version Control with Git [Link](#)

March - 2025

- Gained hands-on experience with Git, the industry-standard version control system used for tracking changes in source code during software development.
- Learned key Git concepts such as repositories, commits, branches, merges, and rebasing.
- Practiced collaboration workflows including pull requests, conflict resolution, and feature branching.

Introduction to Database [Link](#)

March - 2025

- Acquired foundational knowledge of database systems, data modeling, and query languages essential for modern software development.
- Gained an understanding of relational database concepts including tables, keys, relationships, and normalization.
- Learned to write SQL queries to create, manipulate, and retrieve data from databases.

Prompt Compressions and Query Optimization [Link](#)

March - 2025

- Gained in-depth knowledge of techniques used to enhance the efficiency of database queries and reduce data redundancy.
- Explored various query optimization strategies to improve performance in relational database systems.

Advanced React [Link](#)

March - 2025

This course provided in-depth knowledge of advanced React concepts such as:

- Context API and Redux for efficient state management.
 - Custom Hooks and performance optimization techniques.
 - Code splitting and lazy loading.
 - Unit testing and integration testing using Jest and React Testing Library.
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REFERENCE

Trarik Kanaka (Visiting Lecturer), ICBT Campus Bambalapitiya,
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