PIYAMANTHA WEERASINGHE
Software Engineering Graduated

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in Linkedin   GitHub   📍 Kandegedar, Pattiyakubura, Lunuwaththa

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EDUCATION

BSc (Hons) in Software Engineering *(Second Upper Division)*   *2023 - 2024*
Cardiff Metropolitan University

HD in Software Engineering *(Second Lower Division)*   *2020 - 2022*
ICBT campus

Welimada Central Collage   *2011 - 2018*

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
- MERN stack

PROJECTS

ABC Lab System   Git Hub Link   *April - 2024*

- Tech Stack: HTML, CSS, Bootstrap, Spring Boot, MySQL
- Developed 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*

- Tech Stack: React.js, Tailwind CSS, JavaScript, React Icons, React Router
- Designed and developed a fully responsive personal portfolio website to showcase professional skills, projects, and resume
- Implemented 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.

Stress Detection Web Project   [Git Hub Link](#)   *Sep - 2024*

- Tech Stack: React.js, Node.js, Express.js, MongoDB, Python (Machine Learning), Material-UI
- Developed a full-stack web application that predicts a user's stress level based on lifestyle and health-related data using a machine learning model.
- Built an interactive dashboard with form inputs for features like age, gender, sleep duration, BMI, heart rate, and daily steps.

Ecommerce website   [Git Hub Link](#)   *May - 2025*

- 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.

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.

REFERENCE

Trarik Kanaka (*Visiting Lecturer*), ICBT Campus Bambalapitiya,
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Chathura Warnasuriya (Lecturer), ICBT Campus Bambalapitiya,
chathura@icbtcampus.edu.lk   *0766451904*