Nimash Dilshan Manawadu

nimash.22@cse.mrt.ac.lk +94 786969448
Harrisland,Gonapinuwala,

Profile

Motivated and creative Computer Science and Engineering undergraduate at the University of Moratuwa. Experienced in full-stack development. Passionate about building user-friendly solutions and leading impactful university initiatives

Personal Details

07/11/2002	Male	Single
DATE OF BIRTH	**GENDER**	**MARITAL STATUS**
200231202788	Sri Lankan	Sinhala English
NIC	**NATIONALITY**	**LANGUAGES**

Social Links

LinkedIn:https://www.linkedin.com/in/nimash-dilshan-36b973305/
GitHub: https://github.com/nimashXDilshan

Education

B.Sc. Engineering (Computer Science and Engineering) *2023 – 2027*
University of Moratuwa, Sri Lanka

St. Aloysius College *2014 – 2021*
Galle, Sri Lanka

Skills

Languages: JavaScript, Python, Java, C++, C React.js,
Frontend: React.js, Next.js, Tailwind CSS
Backend: Node.js (Express.js), Spring Boot, Django
Databases: MySQL, MongoDB
Tools: Git, Postman, Docker

Projects

Online-Tutoring Platform
Technologies: React, Tailwind CSS, Python (Django)

A full-stack web platform designed to connect tutors with students for seamless online learning experiences. The system allows users to schedule tutoring sessions, join secure video calls, and handle session payments. It also features automated email notifications for bookings and reminders, user authentication, and role-based access for tutors and students, ensuring a smooth and user-friendly learning environment.

Intelligent Cybersecurity Threat Detection System – Malware Analysis & Sandboxing
Technologies: Cuckoo Sandbox, YARA Rules, Python, Kafka

A cybersecurity solution designed to detect and analyze potential malware threats through both behavioral and static analysis. The system leverages **Cuckoo Sandbox** to execute and monitor suspicious files in an isolated virtual environment, capturing dynamic behavior. Simultaneously, **YARA Rules** are applied for static pattern matching to identify known malware signatures. Real-time threat data is streamed and processed using **Kafka**, enabling scalable and efficient monitoring. This project enhances malware detection accuracy and supports proactive threat mitigation.

Spritx11 Cricket Tournament
Technologies: React & Vite, Tailwind CSS, Node.js (Express.js), MongoDB

A dynamic fantasy cricket league web application developed during a 36-hour inter-university hackathon. The platform allows users to build dream teams from real university players, view live statistics, and compete on a leaderboard. It features an **admin panel** for managing players and matches, a **user interface** for team creation and analytics, and an **AI-powered chatbot (Spiriter)** that assists users with strategic team-building insights. The project showcases fast-paced full-stack development and innovative user engagement features.

MyCampusHome
Technologies: React & Vite, Tailwind CSS, Node.js (Express.js), MongoDB

A modern web application designed to simplify the search for student accommodations. MyCampusHome provides an intuitive user interface and responsive design, enabling students to browse, filter, and select housing options that meet their needs. The platform integrates **user authentication**, **secure payment systems**, and **real-time availability tracking**, ensuring a seamless and trustworthy user experience. It aims to streamline the housing selection process for university students through digital convenience

*Human Resource Management Syste*m
Technologies: React & Vite, Tailwind CSS, Node.js (Express.js), MySQL

A comprehensive HR management web application developed as a semester group project. The system manages **employee profile details**, **leave applications**, **role-based authentication**, **payroll processing**, and **report generation**. Designed with a clean, responsive UI and robust backend architecture, it streamlines HR operations and enhances administrative efficiency within an organization.

Nanoprocessor Design for Basic Instructions
Technologies: VHDL

Designed and implemented a simple **4-bit microprocessor** capable of executing four basic instructions. The processor was fully described using **VHDL** and deployed on an **FPGA** for testing and demonstration. This project demonstrates fundamental digital design principles, including instruction decoding, control logic, and behavioral modeling in hardware description languages.

Mystic Mayhem
Technologies: Java (OOP)

A turn-based strategy game developed using **Object-Oriented Programming** in Java. Players control a team of fantasy characters, including an **Archer**, **Knight**, **Mage**, **Healer**, and **Mythical Creature**, each with unique abilities and stats. The game emphasizes strategic decision-making, character synergy, and clean OOP design principles such as inheritance, polymorphism, and encapsulation.

Certifications

SpritX Inter University Development Competition – Participation Certificate
Organized by Mora Sprit 360

Languages

Sinhala: Native
English: Normal

Hobbies

- Playing Cricket
- Exploring and Creating Video Games
- Participating in Coding Challenges
- Watching Tech and Developer Content on YouTube