Devinda Dilshan

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Summary

A motivated and detail-oriented Computer Science & Engineering undergraduate at the University of Moratuwa with a strong foundation in software engineering, algorithms, and data structures. Passionate about Full-Stack Development and Machine Learning. Seeking a challenging internship or software engineering role to apply my technical skills and contribute to innovative projects.

Work Experience

MoraSpirit *2024 – Present*
Assistant Head of Web & Tech Pillar *Colombo 06, Sri Lanka*

- Led the development and successful implementation of moraspirit360.com, a key web platform for the organization.
- Managed and maintained the entire technical infrastructure of MoraSpirit, collaborating closely with the Head of Pillar to ensure operational excellence.
- Guided two co-chairs for SpiritX 2025 Hackathon, contributing to its successful execution and technical oversight.
- Mentored and onboarded new members within the Web & Tech Pillar, fostering skill development and team integration.

Projects

RPAL-Compiler *2025*
Python, OOP, Data Structures & Algorithm

Developed a complete interpreter for the RPAL (Recursive Programming and Applicative Language) from the ground up, demonstrating a practical application of compiler theory and language processing fundamentals.

Online Train Ticket Booking System *2024*
Ballerina, React.js, MongoDB

This project showcases a deep dive into modern application development by integrating the concurrent, cloud-native language Ballerina for the backend with the popular React.js library for the frontend. The application functions as a complete train scheduling management system, utilizing MongoDB for its database needs and featuring secure admin controls. It serves as a practical demonstration of building and connecting disparate, high-performance technologies into a cohesive solution.

Mystic-Mayhem (OOP Game) *2024*
Java, OOP, Data Structures & Algorithms

As a key member of a development team for our second-semester Object-Oriented Programming course, I contributed to the design and implementation of a console-based role-playing game (RPG) from concept to completion.

HRMS - Backend *2024*
express.js, Node.js, MySQL, RestAPI

Engineered the robust and secure server-side application that powers a comprehensive Human Resource Management System. This backend is responsible for all business logic, data processing, and API communications for the entire HRMS platform.

HRMS - Frontend *2024*
React.js, Tailwind CSS, RestAPI

Developed a feature-rich, responsive, and intuitive front-end for a comprehensive Human Resource Management System. This project was built to provide a seamless user experience for HR administrators and employees to manage core HR functions efficiently.

Education

Bachelor of Science in Engineering (Honours)   *Feb 2023 – May 2027*
Major in Computer Science & Engineering
University of Moratuwa

G.C.E. Advanced Level Examination (Pysical Science Stream)   *2021*
Results: 3'A' passes for Combined Mathematics, Physics, and Chemistry

Technical skills

Programming Languages	Java, JavaScript, Python, C++
Technologies	React.js, Node.js, Express.js, HTML, CSS, Scikit-learn, Pandas, NumPy
Databases	MongoDB, MySQL
Version Controll	Git, GitHub

Competitions & Volunteering

- Competed in the national Ballerina Coding Competition 2024.
- Participated in MoraXtreme 9.0, a 12-hour university-wide hackathon.
- Represented the MoraMaths society at an Exmo Exhibition by coordinating interactive mathematics game(Circle of Fate).
- Volunteered as a Mathematics Teacher for the MoraMaths Circle and the Sasnaka Sansada Foundation.

References

Dr. Adheesha Wijayasiri
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