Rochani Riligala

Software Engineering Undergraduate

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👤 Professional Profile

I'm a BEng (Hons) Software Engineering undergraduate dedicated to quality and problem-solving. My academic and project experience has given me a strong foundation in coding, system design, and industry best practices, preparing me to excel in web development. I'm passionate about building efficient, user-friendly applications and thriving in high-standard, improvement-focused environments.

🎓 Education

BEng (Hons) Software Engineering undergraduate (Sep 2023 - Present)
University of Westminster, UK
1st year(120 credits):
Software Development I (Python), Mathematics for Computing, Trends in Computer Science, Software Development II (Java), Computer Systems Fundamentals, Web Design and Development.
2nd year:
Object Oriented Programming, Database System, Software Development Group Project, Software Engineering Principles and Practice, Algorithms: Theory, Design and Implementation, Server-Side Web Development.

G.C.E. Advanced Level (2023) *- 1B, 1C, 1S (Biological stream)*
Maliyadeva Girls' College, Kurunegala

G.C.E. Ordinary Level(2019) *- 9As*
Maliyadeva Girls' College, Kurunegala

</> Projects

Election Voting System (Group)   **Oct 2024 - Ongoing**
(Contribution – Front-End Development) – USING Blockchain, React, Java, Spring Boot, SQL

- Developing a secure, blockchain-based voting system to replace Sri Lanka's paper-based election process, featuring QR code authentication and automated result tallying.

Real-Time Event Ticketing System (Individual)   **Oct 2024 - Ongoing**
(Contribution – Full-Stack Development) – USING Java, React, Spring Boot, SQL

- Creating a real-time ticketing system with advanced concurrency handling to simulate concurrent sales and releases, ensuring data integrity across multiple threads.

Ceylon Agricare (Group)   **Sep 2024 - Oct 2024**
(Contribution – Front-End Development) – USING Ballerina, JavaScript, HTML, CSS

- A web app providing real-time services for sustainable agriculture, including a marketplace, weather updates, and loan scheme information for farmers.

Hotel Booking Website (Individual)   **Aug 2024 - Sep 2024**
(Contribution – Front-End and Back-End Development) – USING HTML, CSS, JavaScript, PHP, MySQL

- Created a responsive hotel booking web application with separate interfaces for customers and hotel staff (admin users). Features include booking management, room availability tracking, and user account functionalities, specifically targeting the Sri Lankan market.

Responsive Book Website (Individual)   **June 2024 - July 2024**

(Contribution – Front-End Development) – USING HTML, CSS, JavaScript

- Developed a responsive website for browsing and discovering books, with a focus on user-friendly navigation and optimised display across various devices. Hosted on Netlify for easy access and performance.

👉 Volunteering Experiences

IEEE Computer Society Student Branch Chapter of IIT   **June 2024 - Sep 2024**

(Industry Outreach Team Member)

- Supported the success of CodeRally 5.0, a 24-hour hackathon, by building connections with industry professionals and sponsors to secure partnerships and resources essential for the event.

Informatics Institute of Technology (IIT)   **June 2024 - July 2024**

(iTV Team Member)

- Contributed to Cutting Edge '24, a major tech event, as part of the iTV team, where we hosted panel discussions and tech talks with industry leaders, startup founders, and lecturers.

🏅 Achievements

Finalist in Social Media Contest, Innovate with Ballerina

- Team BalletCoders reached the finals in the "Innovate with Ballerina" competition, organized by the IEEE Student Branch, University of Moratuwa, in collaboration with WSO2.

Top 10, CodeRally 5.0 Hackathon

- Competed as a part of team DevDynamos-CR013 in a 24-hour hackathon hosted by the IEEE Computer Society Student Branch Chapter of IIT, achieving a top 10 finish out of 40 teams.

👥 Extra Curricular Activities

- Industry Outreach Team Lead of the IEEE WIE Student Branch of IIT - (2024-Present)
- Member of IEEE Student Branch of IIT - (2023-Present)
- Member of the Leo Club of IIT - (2023-Present)
- Secretary of the School Quizzers' Association Sri Lanka- (2023-2024)
- President of the Quiz Club of Maliyadeva Girls' College - (2020-2022)
- Vice Secretary of the Astronomical Society of Maliyadeva Girls' College - (2021-2022)
- Member of the Junior Prefect Board of Maliyadeva Girls' College - (2018-2019)
- Announcer - School level

👍 References

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