Hariharan (Undergraduate Student)

Bachelor of Science Honors in Software Engineering
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Professional Summary

Enthusiastic and detail-oriented software developer with expertise in Java, Spring Boot, and React.js, with a strong foundation in backend and full-stack development. Experienced in building and managing systems like hotel booking, billing management, and profile management. Proficient in MySQL and MongoDB for database management, API development, and security implementation. Passionate about creating efficient, scalable, and user-friendly applications, with a problem-solving mindset and a keen eye for detail. Always eager to learn and contribute to impactful projects.

Technical Skills

Programming Languages: Python, Java, C++, JavaScript, SQL
Machine Learning: TensorFlow |Computer Vision: OpenCV, familiar with (YOLO, MobileNet)
Cloud & Development Tools: Git, MySQL, MongoDB, IntelliJ IDEA
Web Development: HTML, CSS, React.js, familiar with (Angular, Node.js), Spring Boot, REST APIs
Software Development: Agile Methodologies, SDLC, Object-Oriented Programming (OOP)
UI/UX Design: Figma
Other: Data Structures, Algorithms, MATLAB, Jupyter Notebooks, Debugging, Team Collaboration, Problem-Solving

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Education

Bachelor of Science Honors in Software Engineering (2022-2026)
Kaatsu International University (KIU)
Python for Beginners (2024) *University
of Moratuwa*

Projects

Driving License Trail Testing System (Ongoing)

- Developed a system to automate driving trail tests in Sri Lanka using **TensorFlow and OpenCV**.
- Detects vehicle objects and monitors the 'L' reversing path to evaluate candidate performance.
- Enhances transparency and reduces bribery in driving schools. **Hotel Booking System**

- Designed and implemented a **Room Booking** module using **Spring Boot, React.js, and MySQL**.
- Integrated secure database connections for real-time room availability and booking confirmation.

Clinic Billing Management System | LIVE LINK

ProClinic is a **Spring Boot and React-based** clinic management system with **MongoDB** for data handling.
- Features **appointment reminders, CRUD operations, bill management, and voice-to-text support**, making healthcare administration more efficient and user-friendly.

- **Technology Stack** – Built using **Spring Boot (backend), React (frontend), and MongoDB (database)** for seamless and efficient clinic management.
- **Appointment Management** – Enables CRUD operations for scheduling, updating, and canceling patient appointments.
- **Automated Reminders** – Sends appointment reminders to reduce no-shows and improve patient engagement.
- **Billing System** – Manages patient invoices, payment tracking, and billing records efficiently.
- **Voice-to-Text Integration** – Enhances accessibility by allowing voice input for adding notes or managing records.
- **User-Friendly Interface** – Designed with a clean and intuitive UI to simplify clinic operations for doctors and staff.
- **Scalability & Security** – Uses **MongoDB** for flexible data storage and follows best practices for secure patient data management

Restaurant Management System |LIVELINK
- Implemented **Profile Management** functionalities using **Spring Boot, React.js, and MySQL Workbench**.
- Ensured a seamless user experience with a responsive UI and optimized backend APIs. **Bill and Event Reminder Website |LIVELINK**

- Created a **Reminder Calendar** using **PHP, HTML/CSS**, and local storage.
- Developed multiple pages including login, admin dashboard, feedback, and contact pages.

Work Experience Customer Service Representative
Gamma Pizzakraft Lanka, Union Place | [2022]

- Provided excellent customer support, enhancing customer satisfaction and problem resolution.
- Developed communication and teamwork skills through direct customer interactions.

Certifications & Achievements

- Cricket**:** Awarded School Colours for outstanding performance in the KIU Premier League (KPL) Cricket tournament.
- Football**:** Honored with School Colours for exceptional contributions to the school football team

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Languages | English, Tamil, Sinhala

References

Nikini Amarapala	Sankalpa Rajapaksha
Senior Analyst Consultant - EY GDS Sri Lanka	Cyber Security
Cyber Security ESP	Sankalpa.Rajapaksha@gds.ey.com	763951248
Millennium IT ESP mitesp.com	BSc. (Hons) Information Technology Specialized in
Email: nikinia@mitesp.com	Cyber Security