

Balakrishnan Krishanth (Undergraduate Student)

Bachelor of Science Honours in Software Engineering

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Profile Summary

Enthusiastic and detail-oriented **software developer** with expertise in **Java Spring Boot, Angular, and React**. Hands-on experience in designing, developing, and deploying **full-stack web applications**, including **customer management systems, appointment reminders, and food ordering platforms**. Strong background in **database management with MySQL and MongoDB**, along with proficiency in **API development, security configuration, and UI evaluation**. Passionate about building **scalable, efficient, and user-friendly software solutions**, with a problem-solving mindset and a keen eye for detail.

Technical Skills

Programming Languages: Python, Java, C++, JavaScript, SQL

Machine Learning: TensorFlow

Computer Vision: OpenCV, familiar with (YOLO, MobileNet)

Cloud & Development Tools: Git, MongoDB

Web Development: HTML, CSS, React, familiar with (Angular), SpringBoot, REST APIs

Software Development: Agile Methodologies, SDLC, Object-Oriented Programming (OOP)

UI/UX Design: Figma

Other: Data Structures, Algorithms, Jupyter Notebooks

Projects

ProClinic | *"Clinic Management System"*

[Live Link](#)

ProClinic is a **Spring Boot and React-based** clinic management system with **MongoDB** for data handling. It 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 a seamless and efficient clinic management system.
- **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**.

LBMS | Library Book Management System.

[Live Link](#)

Library Book Management System (LBMS) is a **Spring Boot and Angular-based** application that simplifies book management in a library. Integrated with **MySQL**, it allows users to **add, update, and delete books** efficiently, ensuring smooth library operations.


- **Technology Stack** – Developed using **Spring Boot (backend), Angular (frontend), and MySQL (database)** for efficient book management.
- **Book Management (CRUD)** – Supports **adding, updating, and deleting books**, making it easy to maintain the library catalog.
- **Database Integration** – Uses **MySQL** to store and manage book records securely.
- **User-Friendly Interface** – **Built with Angular for an intuitive and responsive UI.**
- **Efficient Search & Filtering** – Enables quick book searches for better accessibility.
- **Scalability** – Designed to handle a growing number of books in a structured manner.

Mini Projects

Porsche car website prototype (UI design in figma)

[Live Link](#)

Education

<div><div>Python for beginner</div><div>University Of Moratuwa</div></div> <div></div> <div>2024</div>
<div><div>Bachelor of Science Honours in Software Engineering</div><div>Kaatsu International University</div></div> <div></div> <div>2022-2026</div>

Work Experience

Technical Support Assistance in

Chola Authentic Indian Restaurant

- *Managed and maintained the restaurant's IT infrastructure, including hardware, software, and network systems*
- *Ensured smooth operation of the point-of-sale (POS) system, troubleshooting technical issues to minimize downtime.*
- *Provided IT support to staff, resolving technical issues related to computers, printers, and connectivity.*

Reference

<div><div>Luxminath Suriyakumaran</div><div>Company – Chola Authentic Indian Restaurant</div><div>Designation – Restaurant Manager</div><div>Phone – +94 779108698</div></div>	<div><div>Nikini Amarapala</div><div>Company – Millennium IT ESP</div><div>Designation – Senior Analyst – Cyber Security</div><div>Email – nikinia@mitesp.com</div></div>
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