

Clerin Balakrishnan

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[LinkedIn](#) | [GitHub](#)

Summary

Motivated and detail-oriented IT undergraduate pursuing a BSc (Hons) in Information Technology specializing in Software Engineering at SLIIT, with a strong passion for Web Development, Full-Stack Development, and Mobile App Development. Eager to apply problem-solving skills and technical knowledge to real-world challenges. Quick learner with a proactive mindset, capable of working in collaborative environments. Seeking an internship opportunity to gain hands-on experience and contribute effectively to innovative projects.

Technical Skills

- Programming Languages: Java, python, JavaScript, TypeScript, C, C++, Dart
- Web Technologies: React.js, Express.js, Node.js, RESTful API, HTML, CSS, PHP, Bootstrap, WordPress, Tailwind CSS
- Databases: MySQL, MongoDB, Firebase
- Version Control: Git, GitHub
- UI/UX Design: Figma, Photoshop, Canva
- Automated Testing & Integration Tools: Junit, Selenium, n8n, Postman
- Project Management & Agile Tools: Agile / Scrum, Atlassian Jira, Sprint Planning, Backlog Grooming

Projects

EduLink Lanka (School Management System)

Oct 2025 – Dec 2025

MERN Project | [GitHub Link](#)

- Developing a full-stack school management system with dedicated dashboards for students, parents, teachers, and administrators. Building secure authentication, profile management, notices, results, timetable handling, and fee payment features using **React.js** and **Node.js/Express**. Integrated **Stripe** for online payments and implemented **OTP-based** verification to enhance security and user experience.

Safe Mother (Maternal Health & Safety App)

July 2025– Oct 2025

Mobile Application | [GitHub Link](#)

- Safe Mother is a **Flutter**-based mobile app designed to enhance maternal health and safety. It includes features like food **safety scanning**, **AI-driven risk alerts**, and **personalized pregnancy guidance**. The app ensures a smooth user experience with real-time updates and secure data handling using Firebase.

Eco-Plast Management System (Cashback & Reward System)

Feb 2025–May 2025

MERN Project | [GitHub Link](#)

- Developing a MERN-based waste management reward system that incentivizes plastic waste submissions through a point-based cashback model. Implementing a scalable backend using **MongoDB**, **Express.js**, and **Node.js** to efficiently handle user data, transactions, and reward calculations. Aiming to promote sustainability by integrating an intuitive platform for waste recycling and rewards.

Cash Track (Personal Finance Tracker App)

April 2025–May 2025

Mobile App | [GitHub Link](#)

- Designed and developed a personal finance tracking app in **Kotlin** to help users manage monthly budgets and expenses across categories. Implemented real-time feedback with pie charts, progress bars, and intuitive UI elements. Ensured persistent local storage using Shared Preferences and supported **JSON-based** data backup and restore. Aimed to promote financial wellness through smart, user-friendly budgeting tools.

Online Student Support Desk

Feb 2024– Apr 2024

Web application | [GitHub Link](#)

- Designed and developed a web-based student support system to optimize issue tracking and communication. Built a dynamic backend using **PHP** and **MySQL**, while implementing a responsive frontend with **HTML**, **CSS**, and **JavaScript**. Enhanced user experience by integrating a real-time ticketing system, improving efficiency and engagement.

Education

- SLIIT (Sri Lanka Institute of Information Technology) Malabe, Colombo, Sri Lanka
BSc (Hons) In Information Technology Specializing in Information Technology (2023 - Present)
- BT/Methodist Central College Batticaloa, Sri Lanka
G.C.E A/L – Commerce Stream, **Results** – 2BC (2013 – 2022)

Additional Information

Soft Skills: Problem-Solving & Debugging, Team Collaboration, Communication & Documentation, Time Management & Project Planning

Languages: English, Tamil

Tech Club Member | SLIIT: Actively participate in university tech club events, including coding challenges, hackathons, and workshops focused on full-stack development and emerging technologies.

Certifications: Introduction to Artificial Intelligence (IBM), Foundations: Data, Data, Everywhere (Google), Crash Course on Python (Google)

References

Mr. S.M.B. Harshanath (Lecturer – Software Engineering, SLIIT)

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