SANDEEPA MUTHUMAL
SOFTWARE ENGINEER INTERN

Kaduwela,Sri Lanka | sandeepamuthumal3@gmail.com | +94 76 371 2496

sandeepamuthumal.com | github.com/sandeepamuthumal | linkedin.com/in/sandeepa-muthumal

PROFESSIONAL SUMMARY

Final undergraduate student of BICT specializing in Software Technology and Full-stack developer with 2.5+ years of industry experience building production-grade systems, REST APIs, dashboards, and real-time features. Delivered 10+ production deployments, improved backend performance by 30–70%, and contributed across the full SDLC. Seeking a full-stack or backend engineering internship to work on scalable, high-impact systems alongside experienced engineering teams.

SKILLS

- **Languages:** Java, JavaScript, PHP, Python, SQL, HTML, CSS
- **Frameworks & Libraries:** Laravel, Livewire, React.js, Node.js, Express.js, Redux, Bootstrap, Tailwind, Spring Boot (learning)
- **Databases:** MySQL, MongoDB, Firebase
- **Tools & Platforms:** Git, GitHub, GitLab, Postman, Redis, Cloudinary, Docker (learning), CI/CD (learning), Linux
- **Concepts**: REST APIs, MVC, Service-Repository Pattern, OOP, Authentication/Authorization, Caching, Database Design, System Architecture, Test & Deployment
- **Soft Skills**: Problem-Solving, Team Collaboration, Communication, Time Management, Knowledge Sharing

PROJECTS

BrightEdu – QR Attendance Management System   **Sep 2025**

GitHub**:** github.com/sandeepamuthumal/Attendance-Management-System

Tech**:** Laravel, Livewire, MySQL, Bootstrap, Jquery, Pusher

- Engineered a QR-based attendance platform using service–repository architecture with real-time dashboards and role management (Spatie)
- Implemented scheduling, QR scanning, and in-app notifications with unit + feature tests
- Optimized backend queries & caching, reducing response time across attendance/dashboards by 30–35%

StoreFront – Full-Stack E-Commerce Platform   **Jul 2024**

GitHub : github.com/sandeepamuthumal/fee-storefront-frontend

Tech: MERN, Redux, Redis, Cloudinary, PayHere

- Built a complete e-commerce system with admin panel, order management, coupon handling, and PayHere payment integration
- Developed robust REST APIs using service–repository pattern, Zod validation, and Redis caching
- Reduced database load by 40% and improved product API latency by 25%, using caching + optimized queries
- Implemented Cloudinary upload flow with automatic transformations, reducing image load time by 60%

SkillBridge – AI-Powered Job Matcher for Undergraduates (Group)   **Jan 2025**
GitHub**:** github.com/sandeepamuthumal/SkillBridge
Tech**:** MERN, FastAPI, Sentence-Transformers, Tailwind
- Designed a microservice-based architecture (MERN + FastAPI) for AI resume analysis, skill extraction, and job–candidate matching
- Implemented matching engine using Sentence-Transformers achieving 85–90% accuracy in internal benchmarks
- Developed job-seeker, employer, and admin modules with dashboards, role-based access, and application workflow
- Led a 5-member Agile team handling planning, code reviews, and deployments on Vercel & Render

EDUCATION

Bachelor of Information and Communication Technology Honours Degree   **Jun 2023 - Present**
University of Sri Jayewardenepura, Sri Lanka
Current GPA : 3.79
Key Modules : Software Engineering, OOP, Database Systems, DSA, Web Development, Software Deployment, ML & Data Mining

G.C.E. Advanced Level (Engineering Technology)   **2019 - 2022**
Ananda College, Colombo
3As + ICT │ District Rank : 12

PROFESSIONAL EXPERIENCE

Software Developer   **Sep 2022 - Present**
SCITS (Pvt) Ltd, Sri Lanka
Tech: Laravel, Livewire, MySQL, React, jQuery, GitLab, REST APIs
- Delivered 10+ production-grade web applications and handled 4–5 concurrent projects, contributing to full SDLC
- Designed and optimized REST APIs, improving application performance by 20–35% through caching, refactoring, and query optimization
- Improved MySQL database efficiency, reducing heavy query execution time by 50–70% using indexes, restructuring, and optimized joins
- Built reusable components and internal mini-libraries (Blade/Livewire), reducing development time on new features by 30%
- Conducted documentation & knowledge-sharing sessions, increasing junior developer onboarding speed by 40%

REFERENCES

Dr. P. L. M. Prabhani,
Senior Lecturer
Head of the Department of ICT
Faculty of Technology, University of Sri Jayewardenepura
Email : prabani@sjp.ac.lk
Mobile : +94 71 446 3920

Dr. D.L.C.P. Liyanage,
Senior lecturer at faculty of technology
University of Sri Jayewardenepura
Email : dlchamara@sjp.ac.lk
Mobile : +94 76 652 0645