



Upek Kasun Akalanka

Software Engineering Undergraduate

✉ Email: upekkasun2003@gmail.com

📍 Location: Colombo 01, Sri Lanka.

🔗 LinkedIn: <https://www.linkedin.com/in/kasun-akalanka03>

🔗 GitHub: <https://github.com/Kasun-Aka>

🌐 Portfolio: <https://kasun-akalanka-web.vercel.app/>

📞 Phone: +94 703892295

Profile

Detailed-oriented second-year Software Engineering undergraduate at SLIIT (CGPA: 3.3) with hands-on experience developing full-stack and backend applications using Java, Spring Boot, and SQL. Strong foundation in software engineering principles, data structures, database systems, Agile methodology, and the Software Development Life Cycle (SDLC). Passionate about building scalable, real-world solutions, contributing to data-driven teams, and continuously improving problem-solving and analytical skills. Actively learning React, Next.js, TypeScript, and NestJS, with a strong commitment to learning, collaboration, and delivering high-quality solutions in fast-paced environments.

Professional Experience

Banking Intern

10/2024 – 02/2025

Peoples' Bank – Suduwella Branch

- Supported daily banking operations and customer-facing processes using enterprise banking systems.
- Handled confidential financial data while following compliance and security procedures.

Banking Intern

10/2024 – 04/2024

Bank of Ceylon – Western Province (Central) Office

- Assisted in operational workflows, documentation handling, and supporting the planning and management of events.
- Strengthened teamwork, communication, and time management skills while coordinating tasks in a team-based environment.

Education

BSc (Hons) in Information Technology specializing in Software Engineering

2024 – Present

Sri Lanka Institute of Information Technology (SLIIT)

CGPA: 3.3

G.C.E. Advanced Level Examination

2023

Ananda College, Colombo 10

Physics – B, Chemistry – C, Combined Mathematics – S, English – A, General IT- A

G.C.E. Ordinary Level Examination

2019

Ananda College, Colombo 10

8A's 1B (including ICT)

Technical Skills

Languages: Java, JavaScript, Python, C

Backend: Spring Boot, NestJS

Frontend: React, HTML5, CSS3

Databases: MS SQL Server, MongoDB, Supabase

Tools: Git, GitHub, Postman, Docker, Linux (Basics), Canva

Soft Skills

Problem Solving | Critical Thinking | Leadership | Team Collaboration | Adaptability | Time Management | Creativity

Projects Experience

UniFound – University Focused Lost and Found System	2026
<i>Next.js(React), NestJS, Supabase, Docker</i>	
Developed a university-focused digital Lost & Found system to replace informal methods such as WhatsApp groups and notice boards, enabling secure item reporting, admin verification, and claim lifecycle tracking. Designed RESTful APIs, role-based authentication, and structured database schemas with a focus on real-world usability, data integrity, and moderated workflows.	
TrueLife - Health Insurance Management System	2025
<i>Java, Spring Boot, MS SQL Server, Docker</i>	
Developed a layered full-stack application following Controller–Service–Repository architecture to digitalize health insurance processes, making policy management, billing, and claims easier for both customers and insurance providers. Designed RESTful APIs and optimized database queries to ensure performance and scalability.	
Wedding Planner Web Application	2025
<i>Java, Spring Boot</i>	
Built a web-based platform that allows users to plan and manage wedding services and bookings in a single system, applying object-oriented principles, structured service layers, and REST-based communication.	
T20 International Match Prediction System	2025
<i>Python, Machine Learning</i>	
Trained and evaluated machine learning models using historical cricket match data to predict match winners, optimal toss decisions, and safe scores based on teams and venue, performing data preprocessing, feature engineering, and model evaluation.	
Personal Portfolio Website	2025
<i>HTML, CSS, JavaScript, Node.js</i>	
Developed a responsive personal portfolio website to present personal background, projects, and technical skills, focusing on clean UI design, performance optimization, and maintainable code.	
Small-Scale Business Website (V3J Automotive Solutions)	2025
<i>HTML, CSS, JavaScript, Node.js</i>	
Delivered a production-ready business website based on real client requirements, ensuring usability, responsiveness, and long-term maintainability.	

Certificates

Backend & Full-Stack Development	2024 – 2025
• Spring Boot REST API with Java & Gradle – CodeSignal • Getting Started with Full Stack Java Development - Simplilearn	
Certificate of Merit – 8 times	2016 - 2019
<i>Ananda College, Colombo 10</i>	
Advanced Computing Year 7	2018
<i>Pearson Education LTD</i>	

Leadership

Chief Organizer - Traffic Warden Unit, Ananda College	2021 – 2022
Led and coordinated student teams during major school events, managing planning, task allocation, and on-ground execution. Strengthened leadership, decision-making, and team coordination under time constraints.	

Interests

Full-Stack Development | Backend Engineering | Artificial Intelligence | Learning New Technologies

Reference

S. S. U. Senadheera
Academic Instructor
Sri Lanka Institute of Information Technology
email: seshmi.s@sluit.lk
phone: +94 710967060