Lehan Munasinghe

Computer Science Undergrad | Aspiring Software Engineer

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Personal Portfolio: lehanmunasinghe.vercel.app

Summary

I'm a fourth-year Computer Science undergraduate at the University of Colombo School of Computing (UCSC) maintaining a GPA of 3.8. Experienced in Software Engineering and currently seeking an opportunity to contribute to impactful tech projects while gaining industry experience.
Passionate problem-solver delivering optimized solutions, balancing trade-offs, and selecting the best approaches to meet requirements. My interests span full-stack development and cybersecurity, and I thrive in collaborative environments.
Outside of academics, I stay engaged with cybersecurity trends and enjoy podcasts that explore real-world incidents and behind-the-scenes perspectives in the field.

Experience

Xeptagon Port City, Colombo 02
Software Engineer Intern *November 2025 - May 2026*

- Contributed to multiple projects using NestJS, React, Progressive Web Apps (PWA), TypeORM, PostgreSQL, Jira, and WordPress.
- Collaborated closely with Project Managers, QA engineers, and Tech Leads in dynamic, cross-functional teams to deliver high-quality solutions.
- Engaged in designing, planning, and aligning implementations with requirements collaboratively with the team.
- Strengthened project security by designing role and permission-based approaches, implementing guards, validations, and input cleansing.

Education

University of Colombo School of Computing Colombo 07
Bachelor of Science Honours in Computer Science *2022 - present*
GPA: 3.8 / 4.0

Projects

Pravaha *2026*
Flood Risk Early Warning System for Sri Lankans. Built for ML Opsidian : Genesis hackathon focused on MLOps in practical use.

- Trained regression model to predict flood risk scores using 40+ features, with a dedicated data pipeline.
- System comprises of LLM agent based WhatsApp chat for feasible and simple interactions for users with the use of Twilio, and Google gemini API with the ability to perform all user related functionalities via natural language messages.

Tech stack: Next.js, Tailwind CSS, Prisma ORM, Google AI Studio, Twilio

SchoolWay *2025*
Web and mobile-based smart and safe child, school van, and driver tracking and management system.

- Smart tracking system for live feed for parents and school van owners using Google Maps API ensuring the safety and transparency of the school commuting process.
- Secure QR-based attendance and child handover handling.
- Additional features include attendance marking, private van hiring, and payment/salary management via Stripe.

Tech stack: Next.js, React Native, Tailwind CSS, Prisma ORM, PostgreSQL, Google Maps API

PawCentral *2024 - 2025*

A centralized pet care platform built with a custom PHP MVC framework.

– Web-based portal uniting the pet community and supporting adoption, medical appointments, event publishing/enrollment, and donation needs.
– Supports dynamic roles including pet owners, medical professionals, pet merchants, and shopkeepers.
– Automated reminders via Windows Task Scheduler, email notifications, and donation handling through Stripe.

Tech stack: PHP (custom MVC), HTML, CSS, JavaScript

Courses and Certificates

Supervised Machine Learning: Regression and Classification *2025*
DeepLearning.AI & Stanford Online

AWS Educate Introduction to Cloud 101 *2024*
AWS Educate

Technical Skills and Soft Skills

Programming Languages	:	C, C++, Python, JavaScript, TypeScript, HTML, CSS, PHP, R, Octave
Frameworks & Libraries	:	Next.js, NestJS, React, MERN Stack, React Native, Tailwind CSS
Databases	:	MySQL, PostgreSQL, MongoDB
Technologies & Tools	:	Git, TypeORM, Prisma ORM, Postman, Jira, Linux
Design Tools	:	Figma, Canva
Soft skills	:	Teamwork & Leadership, Problem Solving, Active Listening, Adaptability

Volunteering and Activities

Volunteering

CSSL GenZ Chapter of UCSC
Vice President *May 2026 – Present*

- Organizing Committee Volunteer for CSSL Golden Jubilee 2026.
- Organizing Committee Volunteer for CSSL CIO Forum 2026.
- Organizing Committee Member and Lead for Level Up 2026, Night Serpent Esports Competition & Lanka Game Developers Conference.

Event Co-Chair for the GenZipher 1.0 Hackathon. *October 2025 – February 2026*
Assistant Secretary of Membership *March 2025 – May 2026*

- Head of Delegates during the official launch of the chapter at UCSC.
- Organizing Committee member of the CSSL Colloquium 2025 & National IT Conference 2025.

Hackathons & Awards

ML Opsidian: Genesis *Champions* *May 2026*
IEEEXtreme 19.0 *Participant* *October 2025*
RealHack 5.0 *Top 70* *2024*
Director's List Awards - University of Colombo School of Computing
Recognition for academic excellence: **Semester 1**, **Semester 3**, **Semester 4**, **Semester 5**

References

Dr. Samantha Mathara Arachchi
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