



Pahasara Jayasuriya

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Languages: Sinhala, English

Profile

Final year Software Engineering undergraduate at UCSC with a solid foundation in software engineering and exposure to software systems through academic and industry projects. Passionate about learning, collaboration, and delivering high-quality software solutions. Seeking a Software Engineer role to apply technical skills and grow professionally.

Education

- **Bachelor of Science (Hons) in Software Engineering** May 2022 – Present
University of Colombo School of Computing GPA: 3.56/4.00
- **G.C.E. Advanced Level - Physical Science Stream** 2020
Mahanama College, Colombo 03 Z-Score: 1.6432
- **G.C.E. Ordinary Level** 2017
Mahanama College, Colombo 03 Result: 7As and 2Bs

Experience

- **Kingslake Engineering Systems (Pvt) Ltd** Nov 2024 – May 2025
Intern Software Engineer
 - Contributed to the development of multiple backend systems, including the Prescribing Safety Assessment (PSA) platform and internal enterprise applications.
 - Designed and implemented the Employee Sync module for the Line Balancing Project, ensuring accurate and reliable employee data integration.
 - Developed HR employee synchronization functionality within the Kingslake Framework.
 - Improved CI/CD and deployment processes by enhancing GitHub workflows, configuring ECR files with version validation, and contributing to deployment documentation.

Technologies: NodeJs, ExpressJs, Sequelize, JavaScript, SQL, GitHub Actions

Development Projects

- **Cross-Service Logic & Function Relocation Detection in Microservices** 2024 – Present
Python, NodeJs, GraphCodeBERT, Joern, Backstage.io
 - Final-year undergraduate research project focused on optimizing microservice architectures by detecting cross-service semantic logic duplication and recommending intelligent function relocation.
 - Designed a Backstage platform plugin to analyze microservice systems and identify cross-service logic duplication, and implemented static analysis techniques to detect semantic code clones across services.
- **C&A Indoor Cricket Net System** Dec 2024 – Sept 2025
React, TypeScript, Spring Boot, PostgreSQL, Docker
 - A real world indoor cricket net booking system designed to manage reservations, payments, and notifications for customers and administrators.
 - Designed and implemented the booking, payment, and notification workflows, and deployed the system using Docker for production use.
- **ProPath - Modern Job Portal** Jun 2024 – Oct 2024
Spring Boot, React, Material UI, Tailwind CSS, PostgreSQL, Python
 - A modern job portal connecting Sri Lankan companies with job seekers through intelligent filtering and career development resources.

- Developed backend services and advanced filtering mechanisms to ensure accurate CV to job matching and scalable platform performance.
- **The Frosted Crust - Delivery and E-commerce platform for a Bakery Shop** Jun 2023 – Apr 2024
PHP, JavaScript, MySQL, HTML, CSS
 - An online food delivery and e-commerce platform designed to manage orders, inventory, and deliveries for a bakery business.
 - Implemented order routing, branch-level order handling, and delivery assignment features integrated with Google Maps for navigation.
- **Pahasara Edu - Learning Management System** 2023
MongoDB, ExpressJs, ReactJs, NodeJs
 - A learning management system designed to facilitate interactive education between teachers and students.
 - Built core LMS features enabling material uploads, student access to learning resources, and role-based system management.

Technical Skills and Interests

Languages: C/C++, Python, Java, Javascript, PHP, HTML+CSS

Runtime/Platforms: NodeJs

Libraries/Frameworks: Spring Boot, ReactJs, ExpressJs, Bootstrap

Tools: VScode, IntelliJ, Git, GitHub Workflows, Postman

Databases: MongoDB, MySQL, PostgreSQL

Design: Figma, Canva

Soft Skills: Creativity, Leadership, Team Player, Positive Attitude, Self Learner

Awards and Certifications

- **Director's List for AY21, AY20, AY19**
University of Colombo School of Computing
- **Supervised Machine Learning: Regression and Classification** Online
DeepLearning.AI & Stanford University Aug 2024
 - Machine Learning, Supervised learning & Hands-on experience through lab sessions.
- **AWS Educate Introduction to Cloud 101** Online
Amazon Web Services (AWS) 2023
 - Simple cloud applications in a virtual lab environment.

Extra-Curricular Activities

- **Engaged in Hackathons and Designathons**
University of Colombo School of Computing
 - Finalist OpenHack 2.0
 - Top 40 RealHack 4.0
 - Top 50 – Cre8x
- **Baseball**
University of Colombo
 - Captain of University team (2025)
 - Champions in University Games (2024) & 2nd Runners up in University Games, SLUG (2025)
 - University Colors Awardee for Inter-University Games (2023, 2024, 2025)
 - Best Player of the Season (2023)

References

- **Dr. Chaminda Ranasinghe**
Founder/Chief executive Officer at
IDEAHUB (Pvt) Ltd &
Senior Lecturer at University of Colombo
School of Computing, Sri Lanka
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