Hirun Mihisara Kariyawasam

| ⌂ Thimbirigasyaye, Colombo, Sri Lanka | ✆ (+94) 72 982 7098 | ⓞ hirun-GitHub |
✉ hirun08072002@gmail.com | ⓘn linkedin.com/in/hirun-mihisara | ⊕ hirun.dev |

Profile

Undergraduate in Computer Science seeking career opportunities as a Software Engineer where I can apply my technical skills and creative mindset to benefit the organization while learning new technologies and gaining professional experience.

Education

University of Colombo School of Computing, Sri Lanka 2023 – Present

B.Sc. in Computer Science (CGPA:3.22)

Mahinda College, Galle 2018 – 2022

G.C.E A/Ls 2021 - Combined Mathematics: B, Chemistry: B, Physics: A
G.C.E O/Ls 2018 - 9 'A' passes

Project Experience

LEARNET — University Student Management Platform Mar 2024 – Mar 2025

- Led a team of 4 in building a student platform used by over 100+ mock users, enabling real-time chat, academic scheduling, and social interaction. The system includes a real-time chat server, personalized folders, academic schedules, blog and forum features, and a social feed.

  Built a custom transpiler to bridge a simplified syntax with React for frontend development and Node.js for backend services, improving development efficiency across the team.
  Tech Stack: React, Node.js, MongoDB, WebSockets, Custom Transpiler

MERN HealthSlot — Doctor Appointment System Sep 2024 – Nov 2024

- MERN HealthSlot is a full-stack doctor appointment booking system developed by two team members. It features patient-doctor scheduling, real-time availability management, and a secure admin panel for oversight. Built using the MERN stack with role-based authentication and a responsive user interface.
  Tech Stack: MongoDB, Express.js, React, Node.js, JWT, Tailwind CSS, Stripe

TRAVEL.LK – Travel Booking Platform (Web + Mobile) 2025 May - Present

- **Travel.lk** is an AI-integrated travel platform implemented as a 3rd-year group project, comprising a responsive web application and a mobile app built with React Native. The system allows users to book travel services such as guides, hotels, and vehicles, while also enabling users to register as service providers.

  A key feature is the **AI-powered trip planner**, which uses user preferences and machine learning techniques to automatically generate personalized travel itineraries. The platform also includes an integrated admin panel for content moderation, user analytics, and overall system management.
  Tech Stack: React, React Native, Node.js, MongoDB, Tailwind CSS, AI/ML (Trip Generation), Admin Dashboard

CLEONE — Full-Stack eCommerce Platform (Outsourced Project) 2025 February - 2025 June

- Engineered Cleone as a fully responsive eCommerce web application for a real client, as part of a 3-member team. The platform delivered an eCommerce platform supporting 500+ product listings and 3 order fulfillment channels; deployed on AWS with Docker containers.

  The system supports both online and physical shop order management, with functionalities for product listing, order tracking, inventory control, and reporting. Built with a Spring Boot + React stack for the main site and a PHP-based admin panel.

  The project was deployed using Docker containers and hosted on AWS infrastructure.
  Tech Stack: React, Spring Boot, PHP, MySQL, Docker, AWS

JAVA Projects *2023 - 2024*

- Built four object-oriented Java applications using JavaFX:

  - **Pacman Game** — Classic maze-chase game built with event-driven logic and animation.
  - **Blackjack Game** — Interactive card game implementing game rules, betting logic, and GUI.

- **Payroll System** — Admin system for salary computation and record management using JavaFX forms.
- **Bank Management System** — Console and GUI-based banking operations with file storage and account handling.

- All projects demonstrate a strong grasp of object-oriented principles, MVC design patterns, and JavaFX-based UI development.

- **Tech Stack:** Java, JavaFX, OOP, MVC, File I/O

Licenses and Certifications

Coursera / DeepLearning.AI
- **Machine Learning Specialization** — 2025
  - Completed 3-course program taught by Andrew Ng, covering core ML topics and practical implementations.
- **Supervised Machine Learning: Regression and Classification** — Jul 2025
  - Explored linear/logistic regression, loss functions, regularization, gradient descent, and model evaluation.
- **Advanced Learning Algorithms** — Jul 2025
  - Built neural networks using TensorFlow; applied decision trees, random forests, and boosting methods.
- **Unsupervised Learning, Recommenders, Reinforcement Learning** — Jul 2025
  - Implemented clustering, PCA, anomaly detection; developed recommender systems and deep Q-learning models.

Amazon Web Services (AWS)
- **AWS Educate: Introduction to Cloud 101** — 2023

HackerRank Certifications
- **CSS (Basic) Certificate** — 2024
- **JavaScript (Basic) Certificate** — 2024

Skills

Frameworks/Libraries: ReactJS, Next.js, React Native, Flutter, Spring Boot, Ballerina, .NET, Tailwind CSS, Bootstrap

Languages: C/C++, C#, Python, Java, JavaScript, TypeScript, Dart, HTML, CSS, PHP, SQL, Scala, R

Developer Tools: Git, GitHub Workflows, Docker, Nginx, Linux, VS Code, IntelliJ IDEA, Postman, Firebase CLI

Design: Figma, Canva

Cloud/DevOps: AWS, Firebase, Cloudinary

Databases: MySQL, PostgreSQL, MongoDB

Soft Skills: Collaboration, Analytical thinking, Adaptability, Communication, Innovation

Extra Curricular Activities

Cricket - University of Colombo — 2023 – 2024

Actively engaged in regular cricket practice sessions at the University of Colombo, demonstrating commitment to physical fitness and a strong interest in team sports.

Cricket - Mahinda College, Galle — 2012 – 2018

Consistently represented Mahinda College as a team member in the Under-13, Under-15, and Under-17 cricket teams, demonstrating long-term commitment, teamwork, and discipline in competitive school-level sports.

Volunteer Experience — 2024

Volunteer, UCSC Career Fair 2024

References

Dr. Ajantha Athukorala
Director
University of Colombo School of Computing
aja@ucsc.cmb.ac.lk
+94 71 388 2929

Mr. Pubudu Liyanage
Head of Platned Sri Lanka
Senior Lecturer, University of Colombo School of Computing
Former VP, Human Resources – IFS Sri Lanka
pdl@ucsc.cmb.ac.lk