HIRUNI RAMANAYAKA
Software Engineering Undergraduate

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ABOUT ME

Motivated and passionate third-year Software Engineering undergraduate at the University of Kelaniya, with a strong interest in web development and continuous learning. Eager to apply creativity and programming knowledge to real-world projects while thriving in collaborative environments. Committed to personal and professional growth, and excited to take on challenges that expand both technical knowledge and practical experience.

EDUCATION

B.Sc.(Hons) Software Engineering   *2023 JULY - PRESENT*
University of Kelaniya, Sri Lanka
- GPA - 3.73/4.00
- Domains - Net-Centric Application Development, Mobile Computing Applications, Data Science and Engineering Application

G.C.E (Advanced Level) - Physical Science Stream   *2021*
Bandaranayake Central College Veyangoda
- Z-Score – 1.5880
- Chemistry - A, Physics - B, Combined Mathematics - B

PROJECTS

Web Development

ShopMart - Secure Web Application (React, Express, MongoDB, Node.js) - Individual Project - 2025 August
- Developed a full-stack e-commerce web application where users can browse the items, manage cart items, and place order online.
- Built a responsive frontend with React and Tailwind CSS, and implemented backend APIs for product and orders using Express.js and MongoDB.
- Integrated Auth0 authentication, route protection, and secure coding practices to mitigate OWASP Top 10 vulnerabilities.
- https://github.com/HiruniRamanayaka/E-Commerce

PassMyFuel - Fuel Management System (Spring Boot, React, Flutter, MySQL) - Group Project - 2025 April
- Built a multi-role fuel quota management platform enabling users, fuel stations, and admins to manage and monitor fuel distribution efficiently.
- Developed Backend RESTful APIs using Spring Boot, integrated with React.js for the web portal and Flutter for the mobile app.
- Implemented real-time quota tracking, station-wise fuel updates, and appointment scheduling for streamlined fuel access.
- https://github.com/pubudu2003060/SENG-22212-Group-Project

PetHug – Veterinary Hospital Website (PHP, MySQL) - Group Project - 2024 November
- Developed a full featured role-based veterinary hospital website offering services for doctors, staff, and pet owners.
- Implemented multi-pet registration, appointment booking, and virtual consultations for efficient care.
- Built modules for medical records, pet boarding requests, and secure online payments and integrated MySQL database with PHP backend for reliable data handling.
- https://github.com/HiruniRamanayaka/PetHug-Project

Mobile App Development

StepWise - Habit Tracker App (React-Native, TypeScript) - Individual Project - 2025 May
- Built a cross platform mobile app to track and manage daily habits using AsyncStorage and state management via Zustand.
- Implemented a login system and intuitive navigation with a clean, responsive UI for consistent user experience.
- Focused on performance and simplicity, using TypeScript for type safety and maintainability.
- https://github.com/HiruniRamanayaka/Habit-Tracker-1

ToDoList App - Task Management App (React-Native, TypeScript) - Individual Project - 2025 April
- Developed a lightweight to-do list app with task creation, deletion, sharing, completion tracking using React-Native and TypeScript.
- Utilized AsyncStorage for persistent local data storage and Zustand for efficient state management.
- Designed a clean, user-friendly interface with smooth navigation for an optimal mobile experience.
- https://github.com/HiruniRamanayaka/SENG-31323---React-Native-To-Do-List-App

TECHNICAL SKILLS

- **Programming Languages:** Java, C, HTML, CSS, JavaScript, PHP, Python, TypeScript
- **Libraries & Frameworks:** React, React Native, Spring Boot, Node.js, Express.js
- **Databases:** MySQL, MongoDB
- **Version Control:** Git (GitHub)
- **Tools & Platforms:** Figma, Postman, Jira, Power BI

SOFT SKILLS

- Teamwork and Collaboration
- Adaptability
- Leadership
- Time Management
- Critical Thinking
- Emotional Intelligence

CERTIFICATIONS / ACHIEVEMENTS

- AWS Educate: Introduction to Cloud 101 - Amazon Web Services (Jun 2025)
- AWS Knowledge: Cloud Essentials - Amazon Web Services (Jun 2025)

HACKATHONS AND COMPETITIONS

- Participated in inter-university hackathon (RealHack) in 2024 which conducted by Software Engineering Student Association of University of Kelaniya.
- Participated in inter-faculty mathematic competition (Paramount 3.0) in 2024.
- Participated in JuniorHack (PreHack) hackathon in 2024 which conducted by Software Engineering Student Association of University of Kelaniya and qualified for final hackathon.

VOLUNTEERING EXPERIENCES

- IEEE Student Branch, University of Kelaniya
  - Secretary, [2025 Aug - Present]
  - Assistant Secretary, [2024 Aug – 2025 Aug]
- IEEE WIE Affinity group, University of Kelaniya
  - Member of Editorial Team, [2023 Sep – 2024 Jul]

LANGUAGES

- English (Professional Proficiency)
- Sinhala (Native)

REFERENCES

Dr. Nalin Warnajith.
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Software Engineering Teaching Unit,
Faculty of Science,
University of Kelaniya.

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