

Kaveen Pramuditha

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🔗 [linkedin.com/in/kaveenpramuditha](https://www.linkedin.com/in/kaveenpramuditha)

⌚ github.com/KAVEENPRAMUDITHA 📥 Portfolio

Summary

Enthusiastic and detail-driven undergraduate IT student with a strong interest in AI/ML, full-stack development, and mobile app design. Experienced in delivering projects across healthcare, transportation, and data-driven systems, with a focus on creating scalable, user-centered solutions. Passionate about applying innovative ideas to solve real-world challenges while growing as part of a dynamic software engineering team.

Education

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| Horizon Campus, Colombo <i>BSc (Hons) in Information Technology</i> | 2022 – 2026 |
| Vidyaloka College, Galle <i>G.C.E A/L - Physical Science Stream</i> | 2017 – 2020 |

Skills

- **Programming Languages:** Python, Java, C, JS
- **Machine Learning:** AI/ML , Supervised & Unsupervised Learning, Deep Learning
- **Frameworks & Libraries:** TensorFlow, Keras, scikit-learn, Pandas, Matplotlib
- **Web Development:** React, HTML, CSS, Tailwind CSS, Node.js, Express.js
- **Databases:** MongoDB, MySQL, Firebase
- **Mobile App Development:** Android (Java)
- **UI/UX:** Figma
- **Project Management:** Jira Software
- **Tools & IDEs:** Android Studio, VS Code, Anaconda, Jupyter Notebook
- **Others:** Git, GitHub, Postman, Swagger

Projects (All available on GitHub)

AI-driven Digital Platform for Maternal and Infant Healthcare in Sri Lanka – Final Year Project [Ongoing]

Technologies: MERN Stack (MongoDB, Express, React, Node.js), Flutter, Python, Firebase

- Designing a full-stack system to digitize Sri Lanka's maternal healthcare records, connecting mothers, public health midwives, and hospitals.
- Integrating a Python-based AI model for infant cry analysis and a chatbot to provide maternal mental health support.

Crystal Beauty Clear – E-Commerce Platform

Technologies: React, Node.js, Express.js, MongoDB, Tailwind CSS, Supabase, JWT

- Built a full-stack e-commerce system featuring authentication, product management, and order processing.
- Ensured scalability and maintainability through modular architecture and secure data management.

BackPackerLK – Travel & Tourism App

Technologies: Android (Java), Firebase (Firestore, Analytics), Material Components

- Created a native Android app for travelers to discover and book destinations across Sri Lanka.
- Integrated Firebase Firestore to manage dual-profile functionality for travelers and service providers.

Restaurant Management System

Technologies: JavaScript, PHP, CSS/SCSS, and MySQL.

- Created a web-based food ordering system for registration, browsing, and order management.
- Features include user authentication, admin controls, and dynamic menus.

Rental Car System

Technologies: java, javaSwing, MySQL

- Designed a Java-based desktop application to handle the full car rental workflow.
- Implemented using Java (NetBeans IDE) with full CRUD operations.

House Price Prediction (Boston Housing) —

Technologies: Scikit-learn, numpy, scipy, matplotlib, Streamlit, Pandas, Python

- Built an end-to-end ML app using Streamlit for real-time prediction and data visualization.
- Used Random Forest Regressor ($R^2 \approx 0.89$) and Python libraries (Pandas, Plotly).

Research Publications & Awards

Horizon Interdisciplinary Research Symposium (HIRS) 2025

Data-Driven Management System for Supermarkets

2025

- Awarded Best Presenter for the research on forecasting profit, demand, and customer loyalty using Machine Learning.

A Review on AI-driven Digital Platform for Maternal Healthcare

2025

- Published extended abstract conducting a systematic review of AI technologies for Sri Lankan maternal and infant care.

Certifications

- Web Design Specialist Certification – University of Moratuwa
- Machine Learning Using Python – Simplilearn
- Web Development: CSS, Bootstrap and JavaScript – Udemy
- Pandas – Kaggle
- Java Development Workshop – IDET (2024)
- Intro to Deep Learning – Kaggle (2024)

Awards & Leadership

- Vice President – Community of Cyber Security in Horizon (C2SH), 2024
- Director (Betterment of Leos) – Leo Club of Horizon Campus, 2024

Strengths

- Strong problem-solving mindset and adaptability to new tools.
- Effective teamwork, communication, and leadership skills.
- Visual Thinking & Time Management

References

• Mr. Daminda Herath

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• Mr. Isuru Dilshan

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