

Karan Rasathurai

[LinkedIn](#) | [GitHub](#) | [Stackoverflow](#) | [Leetcode](#)

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ABOUT ME

As a computer engineering undergraduate, I am eager to find an internship where I can apply my current skills while working collaboratively with a team of software engineers. My goal is to gain practical experience, deepen my understanding of the profession, and contribute meaningful value to the company.

TECHNICAL SKILLS

Languages : Java, Dart, Python, C, PHP, HTML, CSS
Frameworks : Flutter, Laravel, Springboot
Databases : Firebase, MySQL, MongoDB

PROJECTS

Digital Twin For Smart Green House *Supervised Learning, 3D Modelling, Multithreading* [Github](#) | [Web](#)

- Created a smart greenhouse's digital twin, employing pandas dataframe, data visualization, regression models, supervised learning, preprocessing techniques, multi-threading, and concurrency. Enabled accurate prediction of internal environmental conditions and cost estimation for different trials, enhancing decision-making capabilities

Road Accident Detection And Notification System *AWS, IoT, Flutter, Firebase, Flask.* [Github](#) | [Web](#) | [Youtube](#)

- A hardware device is installed in the vehicle to identify accidents and road signs, while a mobile application is utilized to make calls when accidents occur and to find the best route to accident-free roads.

Smart Inventory Management *Laravel, PHP, MySql, HTML, Bootstrap, CSS* [Github](#) | [Web](#)

- The online platform allows students in the Department of Computer Engineering at the University of Peradeniya to easily apply for the necessary project inventory at the MakerSpace Lab.

Baby Health Tracker App *Java, Firebase* [Github](#)

- The mobile application is designed to track the growth of babies aged 0 to 5 years, recording their height and weight. Additionally, the app provides valuable tips for healthy growth and aiding in monitoring their overall well-being.

Cake Order App *Flutter, Firebase* [Github](#)

- An individual mobile app project that aims to encourage indoor cake makers to sell their cakes. The app provides a convenient way for customers to purchase cakes from indoor cake makers.
- App was deployed in [playstore](#).

EDUCATION

Bachelor of Science in Computer Engineering Kandy, SriLanka
Current GPA:3.6/4.0
University of Peradeniya
2019 - Present

G.C.E. Advanced Level Jaffna, SriLanka
J/Chulipuram Victoria College 2A, 1B - Physical Science
2018

G.C.E. Ordinary Level Jaffna, SriLanka
J/Chulipuram Victoria College 9A's - Commerce, ICT, Drama and theatre
2015

ACHIVEMENTS

Aces Hackthon 2023
Winner of Sustainable Ecosystems category (Group)

Real Hack 4.0 2023
18 th place out of 200+ teams (Group)-Inter University coding competition

Aces Pre-Coders 2022
27th place out of 70+ teams (Group)

INVOLVEMENTS

Casual Instructor

Oct 2022 – Present

Department of Computer Engineering, UoP

- Assisted to conduct labs for the computer engineering courses CO222 - Programming Methodology and CO226 - Database Systems .

Volunteer - Google Summer of Code 2023 Mentoring Program

2023

Department of Computer Engineering, UoP

- Coordinated the involvement of students of Computer Engineering in the GSoC 2023 program and scheduled sessions with those who had already made contributions to GSoC.

Member of Web Consultation Team

Aug 2022 – Present

University of Peradeniya

- Worked as a team to address the problems in university web ranking .
- Analysed and suggested SEO and web quality enhancement guidelines

Technical Content Writer

- Contributed to the community by sharing technical knowledge and insights in the field of computer science through articles.
- Demonstrated excellent communication skills by articulating complex technical concepts in a way that is accessible to a wider audience
- [Medium](#) | [Geek Culture](#) | [Stackgod](#)

CERTIFICATIONS

- [Problem solving basic-HackerRank](#)
- [Supervised Machine Learning-Coursera](#)
- [Java- HackerRank](#)
- [Springboot-Amigoscode](#)
- [Google Kick Start](#)

EXTRA CURRICULAR ACTIVITIES

Senior Prefect : J/Chulipuram Victoria College-2017

President : Environmental Club

Volleyball : Provincial Champions -2016

Football : Zonal level runnersup -2015

Cricket : Qualifier round (Hardball)

REFERENCES

Prof. Roshan G. Ragel

Head of the Department

Department of Computer Engineering

University Of Peradeniya

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Dr. Damayanthi Herath

Senior Lecturer

Department of Computer Engineering

University Of Peradeniya

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