



KAVIDNU BAMBARAGAMA

COMPUTER ENGINEERING UNDERGRADUATE

Contact

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Technical Skills

Programming Languages

Python, JavaScript, C, Java, PHP, HTML,
Verilog HDL, ARM Assembly

Database and Cloud

MySQL, FireBase, mongoDB, AWS Lamda,
EC2, S3 bucket

Tools

Figma, Unity, Git

Libraries and Frameworks

React, Express, React Native, OpenCV, Next,
Numpy, matplotlib, scikit-learn, Laravel

Personal Skills

Project management
Teamwork
Critical thinking
Problem solving
Leadership
Negotiation

Languages

Sinhala - Native
English - Professional working proficiency

PROFILE

I am a dedicated and fast-learning individual passionate about creating innovative applications for web and mobile platforms. I have worked on multiple projects, that includes full stack development, machine learning, image processing and embedded systems. I am eager for internships to refine my skills and gain valuable experience.

EDUCATION

- **BSc Engineering Honours Specializing In Computer Engineering**
University of Peradeniya 2021 July - Present
Current GPA - 3.55 / 4.00
- **G.C.E. Advanced Level**
Ruwanwella Rajasinghe Central College 2016 - 2019
Maths Stream - (3As) Z-Score - 2.1773

COMPETITIONS

ACES Coders v10.0 | 14th Place

- An inter-university 12-hours coding competition organized by the University of Peradeniya, with participation from 100+ teams.

ACES Hackathon | 1st Place | Social Services Category

- An intra-university hackathon competition organized by the University of Peradeniya.
- Developed a platform to connect university students and external service providers that can be expanded for most of the industries.

IEEE INSL Competition 2024 | Provincial Finalists

- Created 3D LED cube that can visualize and animate 3D objects with website.

EXPERIENCE

Casual Instructor - University of Peradeniya

- Worked as a casual instructor to assist 2nd year computer engineering undergraduates in labs.
- Course - Introduction to Programming and Networking for Electrical Engineering

SELECTED PROJECTS

3D LED Cube Holographical Display with Web Platform | Group

2023 October- 2024 January

- This is a 16 * 16 * 16 3D LED cube that showcase 3D objects, engaging animations, and simple games. It comes with a collaborative platform where users can connect, share their creativity, and get inspired by others.
- Contribution - Created the web Platform (entire social media) for users to connect each other and implement the backend process to convert object file to displayable file on the cube.
- Technologies - Python, React, MongoDB, AWS, Express, Flutter

Leaf Area Detecting App with Plant Identification | Group

2023 August - 2023 September

- This application empowers users to effortlessly scan leaves, determining their area, location, and identify the name. The app offers a seamless experience, allowing users to generate a detailed PDF report based on the scanned information.
- Contribution - Overall React native App with integration with all functionalities.
- Technologies - React native, OpenCV, TensorFlow, Firebase

Food Delivery Website with Admin Dashboard for users | Group

2023 March- 2023 July

- The website features a user-friendly interface for easy food ordering and a separate interface tailored for shop owners and deliverymen to manage their operations efficiently.
- Contribution - Frontend and backend implementation with database operations
- Technologies - HTML, CSS, PHP, MYSQL, JavaScript

Patient Management System | Mobile App | Group

2023 March- 2023 July

- This is an App, for automating tasks such as report generation and admission management, ensuring a user-friendly experience for both patients and hospital staff.
- Contribution - Backend Development with integration with Frontend.
- Technologies - Java, Firebase, Android Studio

AI Prompt Sharing Website | Personal

2024 March- 2024 April

- This is a web application that can effortlessly create and share creative prompts with users.
- Technologies - NEXT.js, CSS, MongoDB, Vercel

VOLUNTEERING

Project Nenatahmbara

2024 Jan - Present

- Worked as a Arduino tutor and member.

Arunella Social Service Project

2023 Jan - 2023 Oct

- Worked as one of the center coordinators of the project.

REFERENCES

Prof. Roshan Ragel

PhD (UNSW), BSc Eng Hons (Peradeniya)

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