

Shashika Raveen Yasas

Computer Science Undergraduate

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📅 17 April 2000

kaggle shashikaraveen

Profile

Computer Science undergraduate with a strong foundation in full-stack development, focusing on React, React Native and Node.js for building scalable applications. Knowledgeable in Cloud Computing and DevOps practices such as containerization, CI/CD, and Cloud-Native technologies. Passionate about learning, problem-solving, and gaining hands-on experience in software engineering. Seeking to contribute to real-world projects, enhance technical skills, and grow in full-stack and cloud-based development.

Education

Apr 2024 – Present	Bachelor of Science Honours Degree in Computer Science <i>University of Ruhuna</i> Current GPA - 3.595
Nov 2021 – Apr 2024	Bachelor of Science Degree in Physical Science <i>University of Ruhuna</i> In first two academic years, I have obtained 3.4 overall GPA with 3.8 Computer Science Subject GPA and got selected for BSc (Hons) in Computer Science degree program.
Aug 2019	GCE Advanced Level Examination <i>Debarawewa National College</i> 3 'C' passes in Physical Science stream

Projects

May 2025 – Present	Hybrid CNN and Vision Transformer for Early Detection of Small Brain Tumors in MRI Scans <i>Research Project</i> <ul style="list-style-type: none">Researching a lightweight deep learning model that combines Convolutional Neural Networks (CNNs) and Vision Transformers. <i>Deep Learning, Hybrid Modeling, Vision Transformer, CNN, Medical Image Processing.</i>
Dec 2024 – Apr 2025	GoviSala Native Mobile App <i>Full Stack Developer</i> <ul style="list-style-type: none">Developed a full-stack mobile application for a vegetable trading platform.Connect vegetable traders and consumers with comprehensive trading features in a modern digital marketplace. <i>React Native, Expo, Node.js, Express.js, MySQL, SMTP, Github Codespaces.</i>

	Source ↗
Sep 2024 – Jan 2025	RUSS 2025 <i>Web Developer</i> <ul style="list-style-type: none"> Developed and deployed the official website for the Ruhuna Undergraduate Research Symposium 2025. <i>React, Tailwind, Vite, Supabase</i> Source ↗
Oct 2024 – Dec 2024	Lecture Hall Allocation System <i>Group Leader</i> <ul style="list-style-type: none"> Lecture Hall Allocation System with real time timeline using React. <i>React, Node.js, MySQL, Express, Planby UI</i> Source ↗
Jan 2024	Weather Forecasting Model Using GSM Signal Strength Analysis and Multi-Source Data Integration <i>Data Extraction Project</i> <ul style="list-style-type: none"> Created an automated IoT system to collect environmental and GSM signal data. Used an ESP8266 microcontroller to capture temperature, humidity, and GSM signal strength (RSRP/RSSI). Developed cloud-based API endpoints on Google Cloud Platform (GCP) for real-time data transmission. Implemented automated daily file storage for the collected data. <i>ESP8266, Node.js, Arduino, Google Cloud Platform, IoT sensors, API development</i> Source ↗
May 2023 – Jun 2023	RIIE 2023 <i>Web Developer</i> <ul style="list-style-type: none"> Created an interactive mobile friendly website using React Native Web. <i>React Native, Expo, Netlify</i> Source ↗

Skills

Programing Languages

Java, Python, JavaScript, HTML, SQL, PHP, C, C++, CSS

Database & Data Management

MySQL, MongoDB, SQL Query Optimization, Database Design, ETL Processes, Data Warehousing Concepts, Data Mining

Operating systems

Windows, Linux, macOS

Web Technologies & Frameworks

HTML5, CSS3, JavaScript, PHP, React.js, React Native, Node.js, Express.js, Tailwind CSS, Electron.js

Tools & Technologies

Git, BitBucket, Docker, Postman, IoT Development, Google Colab, GCP, n8n

Soft Skills

- | | |
|---------------------|-----------------|
| • Problem Solving | • Communication |
| • Analytical Skills | • Team Work |
| • Time management | • Collaboration |

Certifications

Intro to Machine Learning

Kaggle 

2024

Python

Kaggle 

2024

Volunteering

Sep 2023 – Sep 2024
University of Ruhuna

Computer Science Students' Community

Vice President

Oct 2022 – Present
University of Ruhuna

Kala Hawula

Member & Guitarist

References

Mr. S.A.S.Lorensuhewa, *Senior Lecturer (Grade I)*,
Department of Computer Science, University of Ruhuna
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Mrs. M. A. L Kalyani, *Lecturer*, Department of Computer Science, University of Ruhuna
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