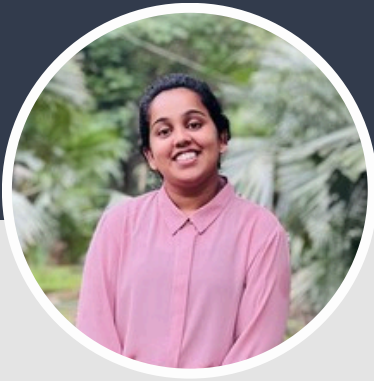


CHATHURIKA BANDARANAYAKE

INFORMATION TECHNOLOGY UNDERGRADUATE



CONTACT

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SKILLS

- **Programming Languages**
 - C
 - C++
 - Python
- **Web Technologies**
 - HTML
 - CSS
 - JavaScript
 - React js
 - Node js
- **QA tools**
 - Selenium
- **MS Office Suite**
- **Leadership**
- **Communication Skills**
- **Critical Thinking**
- **Problem Solving**

LANGUAGES

- English
- Sinhala



PROFILE

I am a highly motivated and hardworking individual with a multidimensional personality, capable of taking individual responsibility as well as working effectively within a team. I am passionate about software and web development, with a strong interest in Quality Assurance, Project Management, and Business Analysis. I constantly strive for perfection and am always eager to learn new technologies and enhance my skills to contribute meaningfully to any project I undertake.



EDUCATION

Bachelor in Information Technology Degree (Reading)

Rajarata University of Sri Lanka

2021 - Present

GPA: 2.5 (End of 2nd year)

High School

Hillwood College Kandy

2004 - 2018

- G.C.E. Advanced Level Examination - Physical Science stream (2C, 1S)
- G.C.E. Ordinary Level Examination (7A, 1B, 1C)



PROJECTS

Automated house planning and visualisation system

- Built an automated house planning system that enables users to create customized floor plans and 3D models based on their specific requirements. Through a web-based platform, users can log in and upload their land survey images along with preferred design criteria. The system analyzes the input and automatically generates a suitable floor plan considering the provided constraints. It also produces an interactive 3D model, allowing users to explore and visualize their future home from multiple angles. This was developed as our final-year research project and secured 5th place out of 37 projects for its innovation and real-world relevance.
- Tech Stack: Machine Learning, React JS, Python, MySQL, Google Co-lab, Jupyter Notebook.

To Do mobile application

- Developed a mobile To-Do app as an academic project with user login, allowing users to add, update, and delete tasks or notes, with two content options: To-Dos and Notes. Focused on usability and simple UI.
- Tech Stack: Android Studio, Java, SQLite.

CERTIFICATE

- **Merit Certificate in Mini Hackerthon, RUSL Xtreme 1.0** - Rajarata University of Sri Lanka
- **Python for Beginner** – 2025 - University of Moratuwa
- **Certificate in English** – 2018 – British College, Kandy
- **Certificate in Information Technology** – 2019 - Esoft Metro Campus

REFERENCE

Dr. K.A.S.H. Kulathilake

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Multimedia Portfolio Website

- Created a personal portfolio website using HTML, CSS, and JavaScript to present my digital work, including graphic design, web development, and motion graphics projects. The site includes a responsive design, engaging interactive features, and is optimized for smooth and efficient user experience.
- Tech Stack: HTML, CSS, JavaScript

Student Registration System

- Developed a console-based student registration system using object-oriented programming in C++. The application allows users to add, display, modify, search, and delete student records stored in a text file. Implemented file handling, menu-driven interface, and basic input validation to simulate real-world academic record management.
- Tech Stack: C++

Tree Species Classification Using Neural Networks

- Built a neural network model to classify three aquatic plant species based on leaf measurements. Collected real-world data, extracted key features, and trained a multi-layer perceptron (MLP) model to support biodiversity monitoring and garden management.
- Tech Stack: Python, Jupyter Notebook



EXTRA CURRICULAR ACTIVITIES

- Member of Rotract Club – Rajarata University of Sri Lanka (2022 – 2023)
- Member of Women in FOSS organization – Rajarata University of Sri Lanka (2022 – 2023)
- Member of Gavel Club – Rajarata University of Sri Lanka (2022 – 2024)
- Member of ARICT Community – Rajarata University of Sri Lanka (2022 – 2024)
- Volunteering in ‘Widasa’ – G.C.E Ordinary Level Examination Seminars (2023) - Rajarata University of Sri Lanka
- Committee member in Science Socitey - Hillwood College Kandy - (2016-2017)
- Committee member in Astronomy Club - Hillwood College Kandy - (2016-2017)