

RAKSHANA BEGUM

INFORMATION TECHNOLOGY FRESH GRADUATE

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PROFESSIONAL SUMMARY

Results driven Information Technology graduate with a passion for solving complex problems and driving innovation. With a solid foundation in software development, research, and leadership, I excel at adapting to challenges, collaborating in teams, and delivering high quality solutions. My proactive mindset and hands on experience in real world projects enable me to learn quickly, think analytically, and contribute effectively. I am eager to apply my skills and energy within a dynamic team where I can grow, innovate, and make a meaningful impact.

SKILLS

- **Programming Languages:** Java, C, C++, Python
- **Web Development:** Flutter, Bootstrap, JavaScript, HTML, CSS, PHP
- **Databases:** MySQL, Firebase, MongoDB
- **Version Control:** GitHub
- **Design Tools:** Adobe Photoshop, Figma, Canva

EDUCATION

B.Sc.(Hons) in Information Technology

Rajarata University of Sri Lanka

2022 - 2025

SOFT SKILLS

- Strategic Thinking
- Critical Analysis
- Leadership & Mentorship
- Problem Solving
- Team Collaboration
- Adaptability

CERTIFICATIONS

- Introduction to Deep Learning - Great Learning
- OOP in Java - Great Learning
- Software Testing Fundamentals - Great Learning

PROJECTS

Tree Species Classifier (Individual Project)

- Developed a simple neural network to classify three visually similar tree species in the university garden using deep learning.
 - GitHub: https://github.com/rakshana5511/tree_species_classification
 - Tools & Technologies: Python, TensorFlow, Keras, Jupyter notebook

Coral Reef Classification (Undergraduate Project) (Front-end Developer)

- Developed a deep learning-based mobile application to enhance, segment, and classify underwater coral reef images and videos.
 - GitHub: https://github.com/rakshana5511/Mind_Benders
 - Tools & Technologies: Flutter, Python, MySQL, HTML, CSS, PHP

Student management system (Individual Project)

- Built an OOP-based C++ application to manage student records, including enrollment, grading, and report generation.
 - GitHub: https://github.com/rakshana5511/Student_Management_System
 - Tools & Technologies: C++, File I/O, Object-Oriented Design, Exception Handling

Multimedia portfolio website (Individual Project)

- Designed and developed a personal portfolio website showcasing skills, achievements, and creative work using multimedia integration.
 - GitHub: <https://github.com/rakshana5511/Multimedia-Project>
 - Tools & Technologies: HTML, CSS, JavaScript, Bootstrap

AWARDS & ACHIEVEMENTS

- Published Research on Algae Detection & Coverage Assessment on Corals – IEEE Xplore (Jan 20, 2025)
 - Publication Title: 2024 8th SLAAI International Conference on Artificial Intelligence (SLAAI-ICAI).
 - Link: [Automated Algae Detection and Quantification on Coral Reefs Using U-Net Segmentation Model](#)

VOLUNTEERING EXPERIENCE

- AIESEC in Rajarata University of Sri Lanka

LANGUAGES

- Tamil: Native
- English: Professional
- Sinhala: Intermediate

REFERENCES

- References are available upon request.