SASMITHA NIMESH RATHNAYAKA

BSc (Hons) Computer Science (AI) Undergraduate
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SUMMARY

I have successfully completed a Bachelor of Science (Honours) degree in Computer Science with Artificial Intelligence, graduating with First Class Honours. I specialise in Robotics and have a strong background in coding using C++, Java, Python, JavaScript, and HTML. My expertise extends to web development, software engineering, and robotics, where I enjoy integrating intelligent systems with practical applications. Passionate about innovation and problem-solving, I thrive in collaborative environments that encourage creativity and technical excellence. Detail-oriented and methodical, I approach every project with precision, efficiency, and a commitment to delivering high-quality results.

EDUCATION

BSc (Honors) Computer Science with AI   **2025 February- 2029 September**

TECHNICAL SKILLS

- Programming Languages: HTML, C++, Java , JavaScript, PHP, MySQL, NO SQL, Python, C#
- Skills: Software Development, Artificial Intelligence, Machine Learning, Web Development, Robotics, Automation.
- Tools: Visual Studio Code, XAMPP, Figma, Anaconda, IBM SPSS, Git & GitHub, Arduino, Raspberry Pi
- Methodologies: Agile, Scrum, SDLC, STLC, and Onion Methodology (for Research)

RESEARCH AND PUBLICATIONS

- Ongoing paper research - "**INVESTIGATING THE IMPACT OF AI WITH THE AUTOMATION IN ROBOTICS".**

ACADEMIC PROJECTS

Connect Lanka - Tourist based website   **2025**
- A responsive tourism platform for "Connect Lanka" featuring image galleries and interactive maps.

AgroVision – Group Project - Farm management system.   **2025**
- Performed manual and automated Watering and fertilizing , developed plans for cultivations, and provide Reports related.

OTHER PROJECTS

Volunteering at Sasnaka Sansada

The "Sasnaka Sansada" is a Volunteering organization that focus on many Fields in society like Education , Religion , Health and Social affairs.
Member since 2022 and District coordinator- Polonnaruwa 2024-2025

SKILLS

- Detail-Oriented
- Problem-Solving and time management
- Team Collaboration
- Strong Communication (Written & Verbal)
- Analytical Thinking
- Adaptability & Quick Learning

LANGUAGES

- Sinhala
- English

PERSONAL PROFILE

- Full Name: Rathnayaka Mudiyanselage Sasmitha Nimesh Rathnayaka
- Date of Birth: 06th May 2003
- NIC Number: 200312713496

REFERENCE

Samanthilaka

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