

DULANA CHATHURMA

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PERSONAL PROFILE

Aspiring Artificial Intelligence and Machine Learning Engineer, currently pursuing a **B.Sc. (Hons) in Software Engineering** at the University of Kelaniya. Passionate about developing intelligent systems that integrate **AI, robotics, and automation** to enhance precision and decision-making. Skilled in programming, creative problem-solving, and applying modern technologies to innovative projects.

EDUCATION

Bachelor of Science (Honours) in Software Engineering 2025, April 7-Present

- B.Sc. (Hon's) in Software Engineering (First Year Undergraduate)
- Key Coursework: Problem Solving, Databases, Object-Oriented Programming, Data Structures and Algorithms.

H/Rajapaksa National College Weeraketiya (2020-2024)

G.C.E. Advanced Level – Physical Science
Year (2023(2024))

- Combined Mathematics – A
- Physics – B
- Chemistry – B
- **Z-Score:** + 1.4975

PROJECTS

Smart Robot Car (IoT + AI)

- Designed and programmed an obstacle-avoiding robot using Arduino, sensors, and AI-based decision logic.
- Implemented real-time control and automation features using microcontrollers.

Personal Portfolio Website

- Developed a responsive personal portfolio using HTML, CSS, and JavaScript to showcase skills and projects.

(Currently in the process of developing more projects related to AI, ML, and web technologies.)

TECHNICAL SKILLS

Programming Languages: C, Java, Python, JavaScript, PHP

Markup & Styling Languages: HTML, CSS

Specialized Areas: Artificial Intelligence, Machine Learning, Deep Learning, Robotics, Web Development

Tools & Platforms: Arduino IDE, VS Code, GitHub

SOFT SKILLS

- Team Collaboration
- Problem Solving
- Creativity & Innovation
- Continuous Learning

EXPERIENCE, CERTIFICATIONS & VOLUNTEERING

- **Junior Hack 7.0** – Participant, University of Kelaniya
- **Paramount 5.0** – Department of Mathematics in University of Kelaniya
- **Gaval Club** – Coordinator, University of Kelaniya
- **English Language Course** – University of Oxford (Online)
- **Programming Course** – University of Moratuwa (Online)
- **Python, Java & AI Courses** – Udemy Online Platform

REFERENCES

Dr. Nalin Warnajith

Senior Lecturer – Software Engineering Teaching Unit, University of Kelaniya

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Vipun Sanjana Jayathunga

R&D Software Engineer Intern – Cloud Security Operations Center at WSO2

Final-Year Software Engineering Undergraduate, University of Kelaniya

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