



Emily Rajapakse

AI and data science undergraduate

Motivated AI & Data Science student with hands-on experience in machine learning, computer vision, and data analytics. Skilled in Python, Java, and data-driven problem solving. Enthusiastic about AI projects, hackathons, competitions, and research-focused volunteering.

Projects

AURA mobile application – IX'25 (2025)

- Conceptual mobile app exploring future human interaction in 2050. Contributed to UX research, interaction design, and concept development in a group project.
- Tech: Figma, Prototyping Tools
- Outcome: High-fidelity concept prototype.

GitHub: [IX-25-UI-UX-competition](#)

TeamMate – Intelligent Team Formation System (2025)

- Java-based application that automates balanced team formation using survey inputs and personality data. Contributed to backend logic, data handling, and feature development in a group project.
- Tech: Java, OOP, CSV Processing
- Outcome: Functional prototype generating optimized, well-balanced teams.

GitHub: [Year2-OOP-TeamateSystem-Sem1](#)

Zappire Zemith-Responsive Restaurant Website (2025)

- Designed and developed a responsive restaurant website featuring interactive elements and accessibility compliance. Contributed to UI/UX design and front-end development.
- Tech: HTML, CSS, JavaScript, Responsive Design
- Outcome: Fully functional, user-friendly website optimized for multiple devices.

GitHub: [Year1-ZappireZenith-RestaurantWebsite](#)

Achievements and competitions

Participant – IEEE Xtreme 25' Hackathon

- Competed in a 24-hour global coding challenge, enhancing problem-solving and programming under time constraints.

1st Place – Aftermath Competition, IEEE Student Branch

- Achieved first place in a team-based IEEE competition, demonstrating collaboration and strategic skills.

Participant – Vertex 25 by , IEEE RAS

- Participated in Sri Lanka's premier robotics and automation event with hands-on engagement.

Participant - IX'25 , IEEE Student Branch

- Co-designed a high-fidelity UX prototype using Figma, focusing on future human interaction and adaptive interfaces.

Contact

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📍 Negombo,Sri Lanka

LinkedIn

Github

Portfolio

Education

● 2024 - Present

BSc (Hons) Artificial Intelligence & Data Science
Informatics Institute of Technology (IIT), Colombo, Sri Lanka

Level 4- Modules

- Programming fundamentals
- Web development
- Database systems
- Mathematics

Level 5- Modules

- OOP
- Machine learning
- Advance mathematics
- Data science

● 2023

Aquinas Diploma in English & Literature

Aquinas Institute (BCI),
Bolawalana

2021-2023

**GCE Advanced Level –
Mathematics Stream**

Ave Maria Convent,
Negombo

Subjects

- ICT-B
- Combined mathematics-C
- Physics-S

2019-2020

GCE Ordinary Level

Ave Maria Convent,
Negombo

Grades

- A-5
- B-5

Technical skills

- **Programming:** Python, Java, SQL, HTML/CSS, JavaScript
- **AI & ML:** ML (classification, regression, clustering), NLP, CNNs, Feature Engineering
- **Tools:** TensorFlow, PyTorch, GitHub, VS Code, Jupyter Notebook, Tableau

Soft skills

- Teamwork, Problem-Solving, Communication, Critical Thinking, Adaptability, Time Management

Languages

- English
- Sinhala

Certificates

- LinkedIn Learning - Artificial Intelligence Foundations: Machine Learning by Kesha Williams
- IBM - Data Fundamentals
- IBM - Introduction to Generative AI

Volunteering and roles

Vertex 25 (IEEE RAS) – Program & Logistics team

- Managed logistics and program activities for Sri Lanka's premier robotics and automation event.

IX 25 (IEEE Student Branch) – Secretarial team

- Supported coordination and documentation for Sri Lanka's AI & XR Designathon.

FusionNxt (IET) – Secretarial team

- Assisted with administrative tasks to ensure smooth event execution.

ModelX (IEEE CIS) – Industry Outreach

- Facilitated mentor engagement and participant support at Sri Lanka's flagship AI/ML hackathon.

Extracurricular activities

- Prefects' Board Member, Chess Club, Interact Club, Athletics at Ave Maria Convent Negombo
- Member-IEEE, IEEE CIS, IEEE WIE at IIT
- Volunteer - IEEE RAS, IET on campus IIT

Reference

Malsha Fernando

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Mr. Ronesh Silva

Sore Technology / Founder technology

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