

DEELAKA APPUHAMY

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 : [LinkedIn](#)

SKILLS

- **CAD & Design Tools:** Autodesk Fusion 360, SolidWorks, MATLAB, Simulink, Catia
- **Programming:** Python, C, Java, Zyscopes
- **Languages:** Fluent in English, French, and Sinhala

EDUCATION

Bachelor of Engineering, Mechanical Engineering with CO-OP
Carleton University, Ottawa, ON
September 2023 – Present

Graduation: **May 2028**

CGPA: 9.26/12

EXPERIENCE

Broadcast Systems Engineering Intern – Hari TV and Hari Global

May – Aug 2025

- Supported the setup, calibration, and maintenance of studio infrastructure including lighting rigs, camera mounts, and cooling systems for broadcasting equipment.
- Assisted broadcast engineers in optimizing reliability and ergonomics of audiovisual systems during live productions.
- Contributed to video editing and post-production tasks, applying industry-standard tools to create high-quality digital content.
- Developed a cross-disciplinary skillset by merging engineering principles with multimedia production workflows.

Founder & Product Designer – Unitech Aids

Jun 2025 – Present

- Designed, manufactured, and launched the “Notaboard”, a wooden transfer board for people with disabilities, now selling on various E-Commerce platforms.
- Applying mechanical engineering and ergonomic design principles to ensure strength, durability, and user comfort.
- Managing the end-to-end process: CAD modeling, prototyping, testing, manufacturing, and online marketing.

Business Owner – Torana Woodworking

May 2022 – Present

- Operate a woodworking business specializing in custom furniture and outdoor planters.
- Utilizing CAD software to optimize designs for structural integrity and material efficiency.
- Build strong client relationships by delivering tailored designs and presenting technical concepts in accessible terms.

Rink Operator – City of Ottawa

Dec 2020 – Mar 2023

- Created and maintained an outdoor skating rink, ensuring safety and accessibility for the community. Coordinated with city staff and volunteers to manage daily operations.

PROJECTS

MAAE 2001 Design Project – Ping Pong Ball Transfer System

Jan – Apr 2025

Carleton University

- Led CAD development and assembly modeling in Fusion 360 for a working prototype.
- Designed, built, and tested a functional transfer system using raw materials, refining for reliable performance.

ECOR 1045 Project - Roof Truss Design Project

Jan – Apr 2024

Carleton University

- Collaborated on the design and optimization of a hockey arena roof truss system.
- Produced engineering drawings and presented structural analysis and design modifications to a mock industry panel.

LEADERSHIP AND ACTIVITIES

Founder & President – Ocean Cleanup Initiative Sri Lanka (OCIS)

May – Sep 2025

- Led a local NGO focused on ocean and coastal cleanup, coordinating volunteers to remove waste and ensure proper recycling at certified facilities.
- Organized community engagement events to raise awareness about marine pollution and sustainability practices. & coordinated efforts in partnership with the Sri Lankan Government's Clean Sri-Lanka Initiative.

Cultural Chair – Sri Lankan Community Association of Ottawa (SLCAO)

Jan – Sep 2024

- Organize cultural events to promote heritage and community engagement & lead sound and technical setup for large-scale events, ensuring smooth execution.

Royal Canadian Air Cadets Instructor – Royal Canadian Air force

Aug 2021 – May 2023

- Led and instructed junior cadets in lessons & drill, leadership, and aviation-related subjects.
- Supervised training exercises, ensuring cadets met program standards as a Flight Sergeant
- Provided mentorship and guidance to younger cadets, fostering leadership skills.
- Assisted in organizing events, parades, and community service initiatives.

Math Tutor– Kumon Academic Center

Sep 2021 – May 2022

- Guided students through the Kumon Worksheets for math and reading and assessed progress, mark worksheets, and provided feedback.
- Maintained a structured, encouraging learning environment and communicated with parents and tracked student development.

AWARDS

- **Sri Lanka Clean Ocean Initiative – Coastal Leadership Award** for leading a 5-month cleanup in Sri Lanka's North-Western province, recycling 3,200 kg of plastic