

Aishani Srivastava

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Internship

LG Intern | LG Electronics India Pvt LTD

Jul 2025 - Aug 2025

- Actively worked in the Control Lab on testing indoor and outdoor unit PCBs, assisting with fault analysis, display/motor testing, and error code validation. Gained hands-on learning in identifying common failures like voltage spikes, sensor errors, and firmware issues.
- Practiced 2D sketching and 3D modeling on Siemens NX, exploring part design, parametric features, and industrial component standards. Compared functionalities with Creo and AutoCAD, strengthening CAD proficiency for both consumer electronics and aerospace applications.
- Observed calorimeter chamber operations to evaluate cooling capacity, COP, and energy efficiency. Collected data on refrigerant flow, compressor cycling, and temperature-pressure variations, relating the findings to thermal management principles used in aerospace ECS.
- Participated in reliability testing of AC units and PCBs, including temperature cycling, humidity exposure, salt spray, vibration, drop, and spike voltage tests. Understood how this stress condition simulates real-world environment and parallel aerospace reliability standards.

Projects

Solid Propellant Rocket Workshop

Feb 2025

- Participated in a hands-on workshop focused on the design, fabrication, and launch of solid propellant model rockets.
- Learned key concepts in propulsion, nozzle design, and thrust optimization.
- Assisted in preparing and launching a model rocket, following strict safety protocols and flight analysis.

RC Glider *High-Endurance Free Flight (Depron Sheet Model)*

Aug 2024 – Sep 2024

- Developed a free-flight glider using Depron sheets, optimized for long endurance and passive stability.
- Designed a high aspect ratio wing with a dihedral angle to improve glide time and reduce drag.
- Hand-launched and iteratively tested the model, modifying wing loading and tail surface alignment for better flight characteristics.

RC Glider *Tractor Propulsion Model*

Nov 2023 – Dec 2023

- Designed and built a radio-controlled glider using a tractor configuration (front-mounted propeller) for improved thrust and aerodynamic efficiency.
- Focused on maximizing lift-to-drag ratio through airfoil selection, CG optimization, and material choice.
- Conducted successful test flights and refined control surface dynamics for stable, controlled gliding.

Certificates / Certifications

STC on Geospatial Technologies

Mar 2025

Lovely Professional University

Hone your Communication Skills for Successful Career

Aug 2023 – Dec 2023

Lovely Professional University

Skills

Languages: C++, C, Java, Python

Domain Skills: MATLAB, AutoCAD, Creo, NX Software, MS Word

Soft Skills: Problem Solving, Anger Management, Decision Making

Education

Lovely Professional University

2023 – 2027

Bachelor of Technology- Aerospace Engineering — CGPA: 7.5

Phagwara, Punjab

Lucknow Public School

2021 – 2022

12th — Percentage: 80%

Sitapur, Uttar Pradesh

Regency Public School

2019– 2020

10th — CGPA: 81%

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