LEA ROZALIA CECIL

MECHANICAL ENGINEERING

CONTACT

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SKILLS

- Teamwork
- Adaptibility
- Leadership
- Problem Solving
- Critical Thinking

TECH SKILLS

- Fusion 360
- Ansys
- Solidworks

VOLUNTEERING & LEADERSHIP

Department Student Association (MARMAC) (2025 - PRESENT)
- Treasurer

ASME Student Chapter (2024 - 2025)
- Vice Chairperson

Project - Retrofit Blackbox for Cars (2025 - PRESENT)
- Team Leader

PROFILE

Mechanical engineering student with hands-on experience applying Lean Manufacturing principles to improve workflow efficiency and support continuous improvement efforts. Strong analytical and problem-solving skills with the ability to evaluate processes and suggest practical enhancements. Currently building expertise for future roles in the Aerospace and Automotive industries, with a focus on innovation, precision, and high-quality engineering practices.

EDUCATION

Bachelor of Technology in Mechanical Engineering 2023 - 2027 (Ongoing)

Department of Mechanical Engineering | Christ (Deemed to be University)

GPA: 3.5 / 4.0

- Honors with Specialization in Digital Manufacturing

12th (Senior Secondary School) 2022 - 2023

Physics, Maths, Chemistry, Biology | CBSE

GPA: 8.7 /10.0

10th (Secondary School) 2020 - 2021

Science, Social Science, Maths, English, Hindi | CBSE

GPA: 7.7 /10.0

EXPERIENCE

Mechanical Engineering Intern MAY 2025

Nobel Alloy Components

- Worked with lean manufacturing techniques to improve workflow efficiency

PROJECTS

Retrofit Blackbox for Cars 2025 - PRESENT

Integrated Event Data Recorder, Vehicle Health Diagnostics, Predicitve Maintenance for accessible vehicle information. Created an installable device compatible with all cars for monitoring vehicle health. Using data analystics, it can alert the user for maintenance.

Technologies Used: *Sensors, Python*

Water Dispenser 2024 - 2025

3-D printed a water dispenser for direct use on drinking water tanks.

Technologies Used: *Fusion 360, 3-D Printing*