

Pritha Jain

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Education

Vellore Institute of Technology, VIT University, Vellore
Bachelor of Technology, Chemical Engineering
CGPA: 9.11/10.0 (Merit Scholarship 2023-24)

Expected graduation: July 2026

Work Experience

Omnison Pharma Private Limited
Summer Research Intern

May 2024 - June 2024

- Executed a quality analysis on: raw material purity, packaging efficiency, and disintegration time of drugs like Paracetamol, Ambrolet, Pantap-DSR, and Opyrin. Proposed equipment advancements to reduce the amount of workforce employed per process throughout the site.

Shriram Pistons and Rings Private Limited
Research and Development Intern

June 2024 - July 2024

- Analysed the four purity testing parameters of a CPC (Composite Plating of Chrome) and an ACP (Automatic Chrome Plating) plant. Studied the chemical factors that cause Granular Plating to arise in the production processes of a CPC plant, and recommended data-based solutions that reduced labor intensiveness by upto 4.5 hours/worker.

International Council for Circular Economy
Management Intern; Junior Research Fellow

July 2024 - September 2024

- Managed the International Circular Economy Forum (ICEF 2024), a trailblazing 2-day conference that witnessed a footfall of 250+ delegates from around the world, including Ministries from India, Finland, and the EU, startups and industry pioneers.

Green Aadhaar (IIT Madras)
Research and Business Development Intern

July 2024 - September 2024

- Performed life-cycle analysis (LCA) and conducted user-centric case studies to develop efficient approaches to linearize waste collection through the employment of RFID tags and secondhand smartphones throughout the process.

Weekday. (YC W21)
Business Development Intern

September 2024 - November 2024

- Conducted marketing, cold-calling, and information collection campaigns to drive candidate conversion rates upto 83.4%. Facilitated interactions between Account Managers and candidates through data-driven reporting, daily reports and insights.

University of Cambridge Judge Business School
Research Apprentice

Ongoing

- Collated automated and manually scraped data on about 17,000+ ISRO satellite launches to compare the cost efficiency of the Indian space program and other relevant metrics, with global space launches.

INSEAD
Research Intern

Ongoing

- Executed a comprehensive literature research to locate and analyse all meta-analysis conducted within the field of marketing between 2023-2024.

Projects and Publications

“Eco-friendly alternatives to SAPs as the absorbent core in feminine hygiene products”

- Presented the technical poster at Synergicon, a national conference held at SVNIT, India, and bagged the 1st position.

“Comprehensive Review on Layered 2D MXenes: A Promising Alternative to Conventional 2D Materials”

- A literature review paper on 2D nanostructured MXenes, with a special focus on their synthesis methods, applications, stability, characterization, properties, as well as future scope.

“Embracing the Circular Economy: Must-Win Strategy for Indian MSMEs in Global Trade”

- Co-authored the research paper in collaboration with the International Council for Circular Economy as a suggestion to the Ministry of MSMEs, under the Government of India.

Extracurricular Activities

Delegate, VCONF, The Harvard College Project for Asian and International Relations
Freshman Recognition Award, American Institute of Chemical Engineers - VIT Student Chapter

February 2025
September 2023

Skills

Research and Development; Leadership; Time and Team Management; Content Writing; Marketing; Sales; Business Development