

Pravallika Devi Golla
Chemical Engineer
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Objective

Highly motivated Chemical Engineering graduate with strong analytical skills and a solid foundation in chemical processes and engineering principles. Proficient in using industry-standard software for simulations and process design. Abilities in conducting laboratory experiments, data analysis, and safety procedures. Demonstrated ability to solve complex engineering problems through hands-on projects and internships.

Skills

Regulatory Knowledge: Understanding of industry regulations, standards, and best practices in chemical engineering.
Analytical Skills: Experienced in interpreting complex data to make informed decisions and improve processes.
Research: Passionate about exploring new technologies and methodologies to drive innovation.
Process Optimization: Focused on enhancing efficiency and productivity through continuous improvement initiatives.
Computer/Simulation: Diploma in Computer Application, Microsoft Office, Basics of UNISIM Software, Basics of MATLAB, Aspen Plus, Ansys

Intern Experience

Academy of Skill Development Learning, Kolkata, West Bengal

Intern Student (Remote)

Feb 2024 – May 2024

Project done on MATLAB and basics of Chemcad. Study on variation of concentration in continuous stirred tank reactor

Fleming Laboratories Limited, Hyderabad, Telangana

Intern Student (Onsite)

May 2023 – Jun 2023

To actually see how a pharmaceutical company runs. To understand all the processes, equipment, regulations and controls involved in the production. Understand the role, functions and responsibilities of each department in the factory.

Terra Green Technologies Pvt Ltd, Kolkata, West Bengal

Intern Student (Remote)

Aug 2022 – Sep 2022

Recent Advancement in Petroleum Refinery Engineering. Study of various technologies used in Petroleum Refinery by the guidance of Industrial professionals.

Projects

Drying of Complex Fluid Drop (Indian Institute of Technology, Hyderabad)

started **May 2025**

Gelation and Cracking

Design of Low-Cost Carbon Capture Plant (University College of Engineering, JNTUK)

Jan 2024 – May 2024

To design a Low-cost carbon capture plant with production capacity of 300000 TPA of carbon capture with 80% capture efficiency using amine-based Post Combustion Carbon Capture Process.

Community Service Project Report on Android Mobile, (under JNTUK)

Apr 2023 – May 2023

Awareness in using Android Mobile.

Industrial Exploration Project, Laurus Labs, Vizag (under JNTUK)

Aug 2022 – Dec 2022

Awareness in Pharmaceutical Manufacturing Industry.

Academic Credentials

- **Master of Technology (Chemical Engineering)** – Pursuing from Indian Institute of Technology (IIT) Hyderabad, 2024-2026
 - **Bachelor of Technology (Chemical Engineering)** in 1st Division, University College of Engineering, JNTUK, A.P, 2020- 2024
 - **Intermediate (Science Group, MPC)** First Division, Bhashyam Junior College, Rajahmundry, Andhra Pradesh, 2020
 - **SSC (10th Class)** in First Division, Bhashyam EM High School, Bommuru, Rajahmundry, Andhra Pradesh, 2018
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Personal Details

Date of Birth: 23rd Jan 2003 **Marital Status:** Unmarried **Languages Known:** English, Telugu, Hindi

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