

# KHADIJA MEHMOOD

## Chemical Engineer

Chemical Engineer Graduate with a Bachelor's degree in Chemical Engineering, experienced in laboratory work, chemical process design & data analysis. Strong knowledge of chemical reactions, thermodynamics, and process safety management. Proficient in various computer programs such as MATLAB & DWSIM. Demonstrated strong problem-solving skills through successfully completing group projects and presenting research findings. Committed to continuously learning and staying updated with industry advancements.

✉ [Khadijabutt1320@gmail.com](mailto:Khadijabutt1320@gmail.com) | 0545627958 | Dubai, UAE | Visa Status: Visit | Expiry 18 OCT 2023

## WORK EXPERIENCE

### INTERNEE

#### ASSOCIATED INDUSTRIES LIMITED

📅 Aug 20, 2021 – Oct 18, 2021 📍 Nowshera, Pakistan.

Associated Industries Limited is one of the largest manufacturing company for the production of cooking oil and ghee with a capacity of 50TDP and 150TDP. The company also plays a significant role in providing clean water to society for drinking purposes.

During my internship period, I have learned the refining process of the oil from the canola and soya bean seeds under the instruction of mentor. Further, I have Studied the continuous process of ghee and water treatment plant.

I was primarily responsible for the following tasks:

- Ensured that plant activities complied with safety guidelines and procedures by working with the production engineers.
- Fundamental knowledge of RO plant regular operations, ability to conduct a lab to ensure the plant is operating within required standards and to make any necessary chemical adjustments.
- The manufacture of cooking oil and ghee. Laboratory work was used to assess the quality of the oil and ghee, as well as other chemical and biological studies on mineral water.

## EDUCATION

### BE. Chemical Engineering

*University of Engineering and Technology, Peshawar, Pakistan.*

📅 Sept 26, 2018 – August 5, 2022 📍 Peshawar, Pakistan  
Chemical Engineering Department,  
CGPA: 3.26/4.0

### F.SC (Pre-Engineering)

*Peshawar Model Degree College (Girls), Peshawar.*

📅 August 2016 – April 2018 📍 Peshawar, Pakistan  
Percentage: 83%

## PROJECTS

- EXTRACTION OF THE ESSENTIAL OIL FROM ORGANIC LEAVES USING MIWCROWAVE ASSISTED IRRADIATIONS.
- PRODUCTION OF THE ANILINE BY THE HYDROGENATION OF THE NITROBENZENE USING DWSIM SOFTWARE.
- DESIGN OF THE THICKENER BY BATCH SEDIMENTAION TEST.

## CERTIFICATES

Attended seminar “HEALTH & SAFETY AWARENESS”.

📍 Uet Peshawar 📅 March 26, 2022

INTERNEE “ASSOCIATED INDUSTRIES LIMITED” Nowshera.

## LANGUAGES

English

Urdu

## SKILLS

DWSIM

MATLAB

HINT

Auto-Cad

Design Expert

MS Visio

MS Word

MS Excel

Turbo C++

### ANALYTICAL SKILLS

Problem solving

Project Analysis

### TECHNICAL STRENGTH

Hard working

Decision making ability

Motivator and leadership

Time Management

## REFREES

1. Prof. Dr. Engr. Muddasar Habib.

Chairman of the Chemical Department, Uet Peshawar.

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2. Dr. Muzzam Paracha.

Assistant Professors, Chemical Dept Uet Peshawar.

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