



# **HARIS TAHIR**

## **CHEMICAL ENGINEER**

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### **CAREER OBJECTIVES**

Seeking a career that solidifies my concepts and become a potential learning platform for me. Ability to work successfully in a fast-paced environment. Seeking full time chemical engineering position and begin my career in field of engineering.

### **PERSONAL**

**Name** Haris Tahir

**Date of Birth** 8<sup>th</sup> July 1996

**Nationality** Pakistani

**Languages** English, Urdu

### **CONTACT**

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Town Lahore.

### **STRENGTH**

- Good problem solving ability.
- Capability to work with other team members.
- Good verbal and non-verbal skills.
- Good decision maker.
- Critical thinker.
- Calm under pressure.
- Adaptability.

### **EDUCATION**

- **UNIVERSITY – COMSATS UNIVERSITY**
  - Field of study/Degree: BS Chemical engineering
  - Passing Year: 2018
  - Grade/CGPA: 2.76
- **COLLEGE – SUPERIOR COLLEGE**
  - Field of study/Degree: Fsc. Pre - Engineering
  - Passing Year: 2014
  - Grade/CGPA: B+

## **CORE COURSES**

- Chemical Process Principles.
- Fluid Mechanics.
- Heat Transfer Operation.
- Mass Transfer Operation.
- Transport Phenomenon.
- Fuel and Combustion.
- Thermodynamics.
- Instrumentation and Process Control.
- Chemical Reaction Engineering.
- Petroleum Refinery Engineering.
- Biochemical Engineering.
- Petrochemical Engineering.

## **ACADEMIC PROJECTS**

### **FINAL YEAR DESIGN PROJECT**

- **Production of 300 TPD of Single Super Phosphate.**
  - We do material and energy balance analysis, design core equipment's, employ control strategies and estimate cost.
  - Our core equipment's were Reactor, Heat exchanger, Cyclone separator, Rotary Dryer and Granulator.

### **MINI PROJECT**

- **Reduction of dyes using Silver Nanoparticles.**
  - Our main objective was to know the catalytic potential of silver nanoparticles by reducing dyes.
  - Majorly, we work on methyl orange, methyl blue. Firstly, make solution of different concentrations.
  - We use already made silver nanoparticles produced from plant extract. Use this to reduce the dye to make these dyes no longer hazardous.

## **SEMESTER PROJECT**

- **Development of plastic reformer assembly for energy generation.**
- **Production of biodiesel from Algae.**

## **PROFESSIONAL CAREER**

### **INTERNSHIP**

**(July 2017 – August 2017)**

- **Internee at Sui Northern Gas Pipeline limited (SNGPL), Lahore West.**

- [1] Learn how to work in a professional environment.
- [2] Learn how to organize work.
- [3] Learn how to handle pressure while performing duties.
- [4] Learn how to handle and satisfy the clients (Domestic, Commercial and Industrial consumers) by providing quality services.
- [5] Learn about EVC (Electronic Volume Corrector) and how it helps SNGPL to prevent gas theft.

## **SKILLS**

- MS Word.
- MS Excel.
- MS Power Point.
- MS Visio.
- Polymath.
- MATLAB.
- Aspen Hysys.
- Chemsep.

## **HOBBIES & INTERESTS**

- Reading articles related to “what’s new in chemical engineering.”
- Poetry reading.
- Calligraphy.
- Study Islamic history.