


# Jamsher Jehangir

Chemical Engineer

 Manama

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Enthusiast Chemical engineer eager to contribute to team success through hard work, attention to detail and excellent organizational skills. Clear understanding of Engineering processes and training in sales and project management. Motivated to learn, grow and excel in the industry.

## Education

**2016-09 - 2020-12**      **Bachelor of Science: Chemical Engineering**  
*University of Bahrain - Bahrain*  
Completed with an Excellent GPA score: 3.26

## Skills

- Good Communication and Presentation Skills.
- Strong grip on key engineering concepts including Plant design, simulation, and engineering software's (MATLAB, ASPEN HYSYS, ASPEN PLUS and COMSOL).
- Online Research, data collection and Reporting
- Trained in Government tendering and Bidding for Projects
- Process oriented and pro-active team player.

## Work History

**2021-06 - Current**      **Technical Sales Engineer and Project Engineer**  
*Emma Gate, Riffa*

A Bahraini chemical trading company dealing mainly in wastewater Industry.

I am entitled to manage day to day operations of the undertaken projects and expanding business by managing sales and identifying new opportunities for Emma Gate.

- Played an important role in acquiring and operating government projects worth \$1.4 million which generated a reliable revenue for EG.
- Studied client RFQs and consulted with my seniors to prepare cost estimates and bid documents for government/ private tenders.

- Identified sales opportunities by assessing market and making sales strategies.
- Identifying new markets and boarding new products into the existing product line.
- Cost cutting in key operational areas for EG resulting in increased profits.
- Maintained a smooth and efficient supply chain for EG products.
- Registered Emma Gate as a Vendor for most of the major industrial plants and companies in Bahrain i.e., ALBA, BAPCO, BANAGAS, TATWEER, SULB and many more.

**2021-07 - 2021-08**

### **Chemical Engineering Intern**

*BAPCO | Summer Training Program*

- Learned about primary refinery operations and various industrial equipment.
- Participated in action learning projects that required us to research and identify cause of equipment failure using our engineering skills.

**2021-06 - 2021-09**

### **Research Intern**

*Bahrain Research Consortium | Virtual Summer Training Program*

- Gathered, arranged and corrected research data to create representative graphs and charts highlighting results for presentations.
- Assisted with preparing project-related reports, presentations, and manuscripts.

**2021-07 - 2021-08**

### **Chemical Engineering Intern**

*Supreme Council for Environment | Summer Training Program*

- Worked with the Plastic Waste Disposal Department to conduct a detailed analysis on technologies that could help to improve the waste disposal issue.



## **Accomplishments**

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- Played an important role in acquiring the 3 years supply project of Liquid Chlorine to Tubli WPC, for my efforts I was awarded a raise of 30% by my seniors at Emma Gate (2021).
- Participated and won 1st position in the NASA Space Apps Covid-19 Challenge (2020).
- Lead my team to win 3rd position at BAPCO Action Learning Project during the internship at BAPCO (2020).
- Participated in Virtual ADIPEC - Abu Dhabi International Petroleum Exhibition & Conference 2020 representing SPE University of Bahrain in the Virtual University Program (2020).



## Projects Completed

### ❖ Academic Projects

**Junior Project** | Using DLEPR test to determine the quality of a sample of stainless steel.

**Course Project** | Design and Simulation of a Acetone producing plant using ASPEN HYSYS.

**Design Project** | Extensive design of a Naphtha Hydro treating Unit followed by a Catalytic Reforming Unit.

**Senior Project** | Developed a prediction model for oil yield from plastic pyrolysis using Artificial Neural Networking.

### ❖ Freelance Projects

**Design an Electroplating Plant (April 2021)** | Developed a process layout for copper, gold, Chrome, and brass Electroplating process. It mainly included determining Electrolyte bath Composition and how to conduct different stages in electroplating.

**On-site support for Production of Detergent** | Assisted with product formulations under the supervision of the Senior Chemical Engineer.



## Software

Aspen Hysys	■ ■ ■ ■ ■	Excellent
MATLAB	■ ■ ■ ■ ■	Excellent
MS Office	■ ■ ■ ■ ■	Excellent
Tally/ SAP (Basic)	■ ■ ■ ■ ■	Very Good
Python for Coding/ Data Analytics (In Progress)	■ ■ ■ ■ ■	Very Good



## Certifications

2021-04

Aspen Certified User



## Affiliations

- ❖ Member at Society of Petroleum Engineering (SPE)
- ❖ Member at American Society of Chemical Engineers (AIChE)