



## Ahmad Mazraeh

mechanical engineer

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Address: Abadan, Khuzestan, Iran

DoB: 1997-01-08

Marital Status: Single

Military Service: Served

### Profile Summary

Hello, My name is Ahmad Mazraeh, a Mechanical engineer and a graduate of shahid chamran university in Ahvaz. My skills and work experience in the field of Designer And Quality control inspector of Oil, Drilling and Petrochemical equipment.

Obtaining the first place and national gold medal in the field of "Mechanical Engineering Design", the 18th Worldskills National Skills Competition in iran.

Access to the "Mechanical Engineering Design" field preparation camp, Worldskills 2019 Russia international skill competition.

### Education

#### Bachelor of Mechanical Engineering

Institute/University: Shahid Chamran University

Ahvaz, Khuzestan, Iran

2015 - 2020

#### Diploma in Mathematical Physics

Institute/School: Dr. Hasabi High School

Ahvaz, Khuzestan, Iran

2011 - 2015

### Work Experience

#### Inspector

Abadan Oil Refining Company

Abadan, Khuzestan, Iran

June 2023 - Present

#### Tasks and Achievements

- My Activity in the Abadan Oil Refining Company is Inspection in Department of Technical Inspection and Metal Corrosion Protection

## Design expert and quality control inspector

Afsan Technical and Engineering Company

Ahvaz, Khuzestan, Iran

March 2022 - Present

### Tasks and Achievements

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- My Activity in the Afsan Company is in R&D, Manufacturing, Quality Control unit.
- The company's products include: Oil, drilling and petrochemical equipment, Gate Valves, Mud Gate Valves, Check Valves, Adjustable Choke Valves, Positive Choke Valves, Hydraulic and manual BOP, Sucker rod pump

## Mechanical expert (facilities)

Ahvaz International Airport

Ahvaz, Khuzestan, Iran

March 2021 - March 2023

### Tasks and Achievements

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- Technical and engineering department (Repair and maintenance unit)

## Solidworks teacher

Shahid Chamran University

Ahvaz, Khuzestan, Iran

October 2019 - February 2020

### Tasks and Achievements

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- Teaching and testing SolidWorks design software.

## Design expert and quality control inspector

Abshar Monjamed Pars Company

Ahvaz, Khuzestan, Iran

March 2019 - March 2020

### Tasks and Achievements

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- My Activity in the Abshar Monjamed Pars Company is in R&D, Manufacturing, Quality Control unit.
- The company's products include: Cooling equipment, laser cutting and plasma bending metals.

## Design expert and quality control inspector

Artin Sanat Novin Company

Ahvaz, Khuzestan, Iran

July 2017 - July 2019

### Tasks and Achievements

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- My Activity in the Artin Sanat Novin Company is in R&D, Quality Control unit.

## Skills

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Reading industrial drawing and sketching

Quality control inspector of Industrial Parts

Designing and repairing all kinds of industrial valves according to the relevant standards in different sizes and working pressures

Solidworks

Design and repair of oil well and drilling equipment

Proficiency in reading API, ASME, ANSI standards

Mastery in choosing all kinds of o-rings and hydraulic and oil packings

Mastering the manufacturing process of petroleum equipment and industrial machinery

Welding inspection by visual inspection

Welding inspection by penetrating liquid

Welding inspection by Magnetic particles

Autodesk AutoCAD

Autodesk Inventor

Mastery in selecting industrial standard parts

Ability to calculate MTO in industrial projects

Work in commercial fields to buy materials

## Language

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Arabic ●●●●●

English ●●●●●

Persian ●●●●●

## Certificates

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### Visual inspection of welded parts

Institute: Technical and Vocational Training Organization

July 2017

Link : [https://drive.google.com/file/d/1EAutGkgyDixUhlQXlcnKaTyzpjywhM5/view?usp=drive\\_link](https://drive.google.com/file/d/1EAutGkgyDixUhlQXlcnKaTyzpjywhM5/view?usp=drive_link)

### Industrial parts tester with magnetic particles (MT)

Institute: Technical and Vocational Training Organization

April 2017

Link : [https://drive.google.com/file/d/1rUWYx-ppk2-l1regbQK7icmAktdHd3de/view?usp=drive\\_link](https://drive.google.com/file/d/1rUWYx-ppk2-l1regbQK7icmAktdHd3de/view?usp=drive_link)

### Industrial parts tester with penetrating liquid (PT)

Institute: Technical and Vocational Training Organization

March 2017

Link : [https://drive.google.com/file/d/1h7CBO2-Gk7-zlXB\\_NT50LUgM3MjI9Do2/view?usp=drive\\_link](https://drive.google.com/file/d/1h7CBO2-Gk7-zlXB_NT50LUgM3MjI9Do2/view?usp=drive_link)

### Draftsman and Industrial Designer with SOLIDWORKS

Institute: Technical and Vocational Training Organization

March 2016

Link : [https://drive.google.com/file/d/1avYp3v9M9n-L93b3NRBMafIcmjyqJUFK/view?usp=drive\\_link](https://drive.google.com/file/d/1avYp3v9M9n-L93b3NRBMafIcmjyqJUFK/view?usp=drive_link)

## **Draftsman and Industrial Designer with CATIA**

Institute: Technical and Vocational Training Organization

May 2016

Link : [https://drive.google.com/file/d/1NmY1HkKAr\\_3ycmhHJNZeIX\\_HSSugAkuk/view?usp=drive\\_link](https://drive.google.com/file/d/1NmY1HkKAr_3ycmhHJNZeIX_HSSugAkuk/view?usp=drive_link)

## **Application of HSE in industries (introductory)**

Institute: Technical and Vocational Training Organization

March 2017

Link : [https://drive.google.com/file/d/1eyjNizKj7K2w6kUI5GMiiJZU1NJb1bNE/view?usp=drive\\_link](https://drive.google.com/file/d/1eyjNizKj7K2w6kUI5GMiiJZU1NJb1bNE/view?usp=drive_link)

## **Research**

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### **Bachelor's project of car seat modeling and optimization**

December 2019

Researcher

### **Below out preventer of oil and drilling**

March 2022

Researcher

## **Projects**

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### **Design and manufacture of electrical insulation machine**

For: Faliz Pars Research Company

May 2019

Design expert and quality control inspector

### **Reverse engineering of mechanical parts**

For: South National Oil Company

May 2018

Design expert and quality control inspector

### **Reverse engineering of industrial parts**

For: Hamgam Sanat Navin Company

September 2018

Design expert and quality control inspector

## Honors

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**Obtaining the first place and national gold medal in the field of "Mechanical Engineering Design", the 18th Worldskills National Skills Competition in iran**




August 2017

**Access to the "Mechanical Engineering Design" field preparation camp, Worldskills 2019 Russia international skill competition.**

January 2018

## Social Network

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 ahmad-mazraeh  ahmadmazraeh  00989374723974

## Teaching

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**Solidworks teacher**

Shahid Chamran University

february 2019

## Soft Skills

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**Solidworks**

**Autodesk Inventor**

**Catia (part, draft)**

**Autodesk AutoCAD**

**Pronest**

**Microsoft Word**

**Microsoft Excel**