

# Mohamed Salah Alkharraz



## PERSONAL INFORMATION

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## EDUCATION

**B.Sc. in Mechanical Engineering — Major GPA: 3.56/4**  
— University of Bahrain, 2017–present.

Concentration: Energy Conversion, Fluid and Thermal Systems,  
Design and Manufacturing.

**Al Muharraaq secondary school, Bahrain —**  
(GPA: 92.2%) — Secondary school certificate, 2014–2017

## PROJECTS

**CV Axle Fatigue Failure Simulation — 2020**

- Designed an axle shaft that withstands fatigue loading
- performed simulation using FEA on the shaft

**Oscillatory Motion to Electrical Converter — 2019**

- Customized several parts in the Workshop
- Designed and Manufactured a mechanisms which converts oscillatory motion to electrical current

**Engineering Graphics Tool Post Design Project — 2018**

- Improved a Lathe Machine tool post by redesigning the tool post to work under lower power and forces

## CERTIFICATES

**The Finite Element Method for Problems in Physics — 2020**  
University of Michigan–Coursera

**MEDIC First Aid — 2018**

**Youth City**

- Basics of arduino - 2014
- short film making - 2016

## SKILLS

FEM analysis

C++, Python

MATLAB

AUTODESK Inventor,  
AutoCad

MS Office

## Interests

Martial arts Instructor

Reading books and journals

## LANGUAGES

English

Arabic

French (nonfluent)