

# Mohamed Salah AlKharraz

## PERSONAL INFORMATION

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## EDUCATION

**B.Sc. in Mechanical Engineering — GPA: 3.47/4 — University of Bahrain, 2017–2021.**

**Secondary school certificate — GPA: 92.2% — Al Muharraq Secondary School , 2014-2017.**

## CERTIFICATES

**Engineering Project Management Specialization — 2020**  
Rice University - Coursera

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

**MEDIC First Aid — 2018**

**Basics of arduino — 2014**  
Youth City 2030 MYS

## PROJECTS

**Liquid Desiccant Cooling System — 2021**

- Designed a CFD model
- Built a real life model for the Senior Project

**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
- Manufactured the prototype with assembly



## SKILLS

Autodesk Inventor

Autodesk AutoCAD

FEM/FEA analysis

COMSOL Multiphysics

C++, Python

MATLAB

Engineering Equations Solver (EES)

MS Office

## INTERESTS

Martial arts Instructor  
(1st place Hapkido '15 open champ.)

Reading books and journals

## LANGUAGES

English

Arabic

French (Intermediate)

## REFERENCES

**Dr. Omar Al-Abbasi**

Head of Mechanical Eng. Department  
University of Bahrain

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