

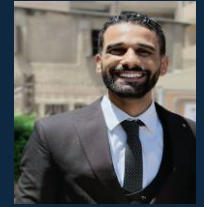
# Mostafa Mahmoud Galal Zaki

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## Profile

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Mechanical power engineer with more knowledge in HVAC, firefighting, plumbing And medical gases systems with BIM technology.

Having extra knowledge in hydraulic system and maintenance .

Having extra knowledge in rotating equipment especially Gas and steam turbines, centrifugal and axial compressors, centrifugal pumps manufacture and maintenance

I taught AutoCAD, REVIT, MICROSOFT OFFICE, FLUID SIM, HAP, SOLIDWORKS and ANSYS.

## Education

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Mechanical Power Department Shoubra faculty of engineering Benha university. (2019:2024)

**Total grade: Excellent** with honors , class rank 4<sup>th</sup> place.

### Graduation project:

1- Design an HVAC system to an educational building. The HVAC system has been meticulously planned to provide the perfect balance of heating, ventilation, and air conditioning throughout the building, ensuring a pleasant and comfortable environment all year round.

2 - Design and manufacture an experimental apparatus to measure the heat transfer coefficient by forced convection.

## Professional Experience

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### Teaching assistant at Shoubra faculty of engineering

10/2024 - present | Cairo, Egypt

### General hydraulic company, *Maintenance engineer*

6/2023 - 10/2024 | Cairo, Egypt

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## Courses

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**1-HVAC & Firefighting & Plumbing & medical gases design (MEP diploma), ASEC**

**2- HVAC COURSE, GSK**

**3-SOFT SKILLS, TAKENDA**

**4-Heavy Equipment Hydraulic, Oring**

**5-Applied Hydraulic, Oring**

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## Training and Internship

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- **The Arab Contractors.** From Sep 2021 to Oct 2021
- **The Egyptian Company for metro {ECM}.** From Sep 2022 to Oct 2022
- **Ruhrpumpen company.** From Jul 2023 to Aug 2023
- **Sino Tharwa for Drilling Co.** From Aug 2023 to Sep 2023
- **General hydraulic company.** From May 2023 to Nov 2023

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## TECHNICAL SKILLS

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### Engineering software

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**AutoCAD**

**Revit**

**HAP**

**DUCT Sizer**

**Pipe sizer**

**MATLAB**

**ANSYS**

**FLUIDSIM**

**CFTurbo**

**SolidWorks**

### Microsoft Office

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**Excel**

**Word**

**Power point**

### SOFT Skills

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**Leadership.**

**Effective Communication.**

**Teamwork.**

**Problem Solving.**

**Interview Skills.**

**Time Management.**

**Adaptability.**

**Work Ethic.**

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## Languages

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**Arabic (Native).**

**English (very good)**