

Bassam Fathi *Mechanical Engineer*

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📍 cairo,Egypt

Profile

Detail-oriented mechanical engineer with more than a year of experience at mechanical maintenance engineering within the dynamic environment of a power solutions company. Eager to contribute my skills in design, analysis, and project management to enhance the development and implementation of innovative solutions that drive efficiency and reliability.

Professional Experience

Mechanical maintenance Engineer

12/2023 – present

Teckman heavy equipment (agent of JCB, HELI and HYSTER)

Inspection,Troubleshooting, Preventive maintenance,spare parts , Maintenance and Repair and develop appropriate solutions or alternatives.

Education

B.Sc. of Mechanical Power Engineering

2018 – 2023

Sinai university

-Accumulative Grade: Good (CGPA: 2,9)

- Graduation Project: “Performance Evaluation and Assessment of Solar PV Driven hybrid Solar hydrogen cell Production unit “

- Graduation project grade: Excellent

Skills

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| -Hydraulic and pneumatic Schematics | -Internal combustion engine (Diesel Engines) |
| -Pumps | -Mechanical systems |
| -Troubleshooting | -Mechanical inspection |
| -Maintenance and repair | -Preventive maintenance |
| -Spare parts | -Heavy industry |
| -Verifying Customer requirements | -Environment, Health, and Safety (EHS) |
| -Project plans | |

Languages

- English : intermediate

Certificates

- Basic hydraulics
- Basic engines
- Basic Transmissions
- Customer Handling
- Health & Safety

Projects

Internal combustion engine

- *Design a thermal piston*
- *Connect thermal piston with a wheel by a crankshaft to convert thermal to kinetic energy in the form of circular motion*

Pumping unit test

- *Using Pressure counter, tank with known volume, scale and valves.*
- *Calculating the actual maximum power.*
- *Drawing the flow curve for pumps.*

Internships

- **Trainee at Elsewedy cement company | Summer 2019.**
- **Trainee at the Massa for car service | Summer 2020.**