

Omar Alsayed Mehrez Mohamed

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Professional Profile:

Mechanical Power Engineer working as an Inside Sales, Application, and Tender Engineer, providing technical support to sales teams and developing accurate techno-commercial proposals based on customer requirements. Applies strong engineering fundamentals to evaluate product configurations and solve technical challenges. Currently focused on growing within techno-commercial engineering roles that combine technical expertise with customer-facing responsibilities.

Education:

- **BSc student of mechanical engineering**, Higher Technology Institute (HTI). Graduated in May 2024.
- GPA, **3.02** out of 4.00.
- Graduation Project: **(Studying the Effect of Adding Nanoparticles in a Multi Drum Solar Distiller)**.

Professional Experience:

- **Inside Sales & Application Engineer at Emerson (PRM-MEA), Dec 2025-Now**
 - Sizing and selecting Emerson solutions using **Fisher Sizing Tool** based on customer requirements.
 - Preparing techno-commercial quotations aligned with project specifications.
 - Coordinating with sales, factories, LBPs, and customers for technical alignment.
 - Supporting order processing by reviewing and cleaning technical data during PO stage.
 - Updating quotations and orders in CRM to ensure accurate tracking.
 - Analyzing customer specifications to define technical requirements and solutions.
 - Working with major international clients (**ADNOC, Chevron, Total Energies, and ExxonMobil**).
- **Mechanical Process Engineer Intern at (Elswesdy PSP), Jul-Aug 2023.**
 - Gained exposure to closed-loop water cooling systems in industrial and power plant applications.
 - Gained exposure to centrifugal pumps with its working, and selecting principles.
 - Assisted in reviewing PFDs and P&IDs for steam and combined cycle power plant projects.
 - Supported preparation of PFDs for wastewater treatment systems.
 - Used AFT and Microsoft Visio for basic modeling and technical documentation.
- **Supply Chain Intern (Material Dep) at (LG Electronics Egypt), Aug-Sep2022.**
 - Gained exposure to BOM and MRP processes within a manufacturing environment.
 - Supported sourcing and material control activities for production needs.
 - Used Oracle system for basic data entry and material tracking.
 - Assisted in inventory management to maintain stock accuracy.
 - Followed and tracked KPIs related to operations and supply chain performance.
- **Planning Engineer Intern at ELSEWEDY POWER SYSTEM PROJECTS (PSP), Aug 2021.**
 - Prepared tender schedules using Primavera P6 for project planning and tracking.
 - Gained exposure to contractual frameworks based on FIDIC standards.
 - Assisted in cost planning and invoice scheduling for project activities.

Extracurricular Activities:

- 08/2023-08/2024. Apex Racing Team Leader.
- 02/2022-07/2023, Cost, and Manufacturing member at Apex Racing Team.
- 07/2021-05/2022, Project Management Director of Enactus.
- 05/2020- 06/2021, Academic Section Head at ELDER Cairo University.
- 08/2020-02/2021, Project Management Section Head at ASME Cairo University,

Courses:

- Pressure Regulators Basics (Direct, and Pilot Operated Regs) -(Emerson Training) (40 hours of Training).
- FF2 Sizing and selecting valves – (Emerson Training)- (40 hours of Training).
- Become a project manager - (LinkedIn Learning) - (7 hours of Training).
- Primavera P6- (Online)- (10 hours).

Language Skills:

- Arabic: Mother's Tongue.
- English: Very Good.

Software Skills:

- Proficiency in MS Office.
- Proficiency in outlook, teams).
- Upper intermediate user of FF2 Sizing and selection tool.
- Intermediate Primavera P6 User.
- Upper Intermediate Solid Edge User.
- Intermediate SolidWorks User.

Achievements:

- **Third** place at the (Action with Africa for sustainability) Challenge in **Cologne-Germany**. Sep-Oct 2022.
- Second place in the Enactus National competition for entrepreneurship, Jul 2022.
- **1st** Place in the Egyptian Rally for manufacturing sustainable electrical cars (**EVER**), April 2022.
- 6th Place in the **UNICEF** competition for entrepreneurship.
- **1st** Place in project innovation from **Orascom Construction PLC**.
- **1st** Place in the Agricultural Wastes Recycling from **PepsiCo**.
- 2nd Place in the Triple Bottom Sustainability Competition Line from **Bank du Caire**.
- 2nd Place in sustainability competition from **Juhayana**.

Business Skills:

- Dynamic and Energetic personality Leadership Skills.
- Ability to multitask.
- Have the appetite to learn and develop continuously by adopting a growth mindset.
- Self-Learning.
- Ability to prioritize and meet deadlines.
- Strong problem-solving and teamwork skills.

Personal Information:

- Military Service: **Completed**

References Available Upon Request