

Heba Gamal Mohamed

Senior Mechanical Engineer

☎ 01127245914

✉ hebaqutat62@gmail.com

📍 Giza

in <https://www.linkedin.com/in/heba-gamal-372730158/>

○ Personal Profile

Senior Mechanical Design Engineer with solid experience in Sheet Metal Die Design, Automotive Exhaust Systems, Extrusion Dies, and Industrial Automation. Currently working as a Senior Design Engineer, involved in the complete product lifecycle including design, manufacturing follow-up, quality planning, and performance optimization. Strong problem-solving skills with a focus on practical and efficient engineering solutions.

○ Work Experience:

➤ Senior Design Engineer || “Abou Elyazeed”

Nov 2025 – Present

Duties:

- Design and develop sheet metal dies for automotive exhaust components.
- Manage the die design process from concept and feasibility to final manufacturing release.
- Supervise die manufacturing, try-out, and production activities.
- Coordinate with production and quality teams to resolve technical issues.
- Optimize component design to improve performance, durability, and quality.
- Prepare and implement quality plans for assigned projects.
- Review drawings, BOMs, and technical documentation.

➤ Design Engineer || “Canex”

Oct 2023 – Sep 2025

Duties:

- Reviewed extrusion profiles for manufacturability and feasibility.
- Selected suitable die designs for required profiles.
- Supervised die manufacturing and extrusion press trials.
- Ensured final products met production and quality requirements.

➤ Design Engineer || “Euro Tools and Automation”

Oct 2022 – Oct 2023

Duties:

- Designed IML robots and change parts.
- Prepared project pricing and cost estimation.
- Followed up manufacturing and assembly processes.
- Solved production and technical issues.

➤ Mechanical Engineer Internship

- Egyptian National Railways.

Aug 2020 - Sep 2020

- Banha Electronics Company.

Jul 2021 - Aug 2021

- Cairo Petroleum Refining Company.

Aug 2021 - Sep 2021

○ **Education**

Bachelor of Engineering – Mechanical Design and Production

Tanta University | 2022

Graduation Project Grade: **A+**

○ **Software Skills**

- Microsoft Office
- Auto Cad
- Solid Works
- Catia
- Qform
- Cypcut
- Primavera

○ **Soft Skills**

- Communication
- Team Work
- Self-learning
- Initiative
- Adaptability Emotional
- Work Under Pressure

○ **Language**

- Arabic: native speaker
- English: very good

○ **Graduation Project**

- Modifying a filament Extrusion machine to produce reinforced filament with continues fibers.
 - modify a filament extrusion machine to produce reinforced filament with continues fibers by adjusting the nozzle to enable the fibers to be added with the extruded polymer.
 - The design of the machine to enhance the output flowrate potential by improving the plastic behavior through controlling the operating.
 - Also aims to make the machine have the option to be installed on a CNC gantry and work as pellet extruder to print 3D models.