

# MOHAMED MAHMOUD

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## Mohamed Mahmoud Mohamed Abu Hashem

### Summary

I am a chemistry graduate from Al-Azhar University, where I built a strong foundation in analytical and organic chemistry. I earned a GPA of 3.2/4.0 (Very Good with Distinction). Alongside my studies, I gained hands-on experience with instruments such as HPLC, GC, UV, IR, atomic spectroscopy, and Karl Fischer titration. I am eager to apply my skills across industries including petroleum, petrochemicals, mining, paints, and quality assurance.

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### Skills

#### - Laboratory Skills

- Chromatography (HPLC, GC, CC).
- Spectroscopy (UV, IR, Atomic).
- Qualitative & Quantitative Analysis.

#### - Soft Skills

- Teamwork & Collaboration.
- Time Management.
- Problem Solving.

#### - Technical skills

- Microsoft Office (Word, Excel, PowerPoint).
  - Basics of Python.
  - Basics of SPSS.
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## TRAINING

### ETHYDCO Internship

Dec 2024

- Participated in a field visit organized by the university.
- Gained hands-on experience in the production stages of polyethylene, from raw materials to intermediate steps to final steps.
- Learned the **laboratory procedures and quality control processes** applied before reaching the final product stage.
- Attended an introductory overview of **water desalination plants**, including their main processes and treatment stages.

### Amreya Petroleum Refining Company

Jul 2023

- Participated in a field visit organized by the university.
- Gained practical knowledge of **distillation towers**, including their operation principles and role in crude oil refining.
- Acquired awareness of **industrial safety practices**, focusing on hazard prevention, emergency response, and workplace safety standards.
- Learned about **water treatment operations** within the refinery, covering purification and reuse processes.

## Alexandria Co. For Pharmaceuticals & Chemical

Jul 2023

- Participated in a field visit organized by the university.
- Gained exposure to **(QC) and (QA)** practices within pharmaceutical manufacturing.
- Acquired hands-on experience with **analytical instruments**, including GC, (IR), hardness tester, (UV), and digestion systems.

## KAPCI Coatings

Jul 2023

- Completed a 6-week academic training program.
- Gained knowledge of paint components and their functional roles, along with QA testing of raw materials and QC testing during production.
- Observed practical applications in the coloring department, including color testing and the use of instruments such as Gas Chromatography (GC) and Karl Fischer titration.
- Acquired understanding of **occupational health and safety principles** relevant to the coatings industry.

## Egyptian Organization for Standardization and Quality

Sep 2024

- Completed a training course in ISO 9001 Quality Management Systems.
- Acquired knowledge of ISO 9001 (QMS) principles, including documentation, standard operating procedures, and continual improvement practices.
- Gained understanding of how ISO 9001 standards are applied in industrial environments to ensure product consistency, regulatory compliance, and customer satisfaction.

## Petroleum Pipeline Company - Mostorod area

Sep 2023

- Completed a 2-week academic training program.
- Gained hands-on exposure to petroleum product testing, including flash point, freezing point, viscosity, and sulfur content analysis.
- Operated and observed instruments such as sulfur analyzers, viscosity measurement devices, and (CC).
- Acquired understanding of the role of quality testing in ensuring pipeline fuel safety, efficiency, and compliance with industry standards.

## EIPICO

Jul 2023

- Completed a 40-hour intensive training program (1 week).
- Gained exposure to (QC) and (QA) practices in pharmaceutical manufacturing, including raw material and in-process testing.
- Acquired hands-on experience with analytical instruments such as (GC), (IR), Karl Fischer titration, hardness tester, digestion systems and, particle size.
- Observed **pharmaceutical manufacturing and operational processes**, including production lines, equipment operation, and warehouse management.

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## EDUCATION AND QUALIFICATIONS

- Al- Azhar university, Assiut.
- College of Science Department of Chemistry.
- Major special chemistry.
- 2025 Graduate with Very Good with Distinction (GPA of 3.2/4.0).

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## - languages

- Arabic      Native
- English     B2