

# EYAD SHERIF ELESSILY

Chemical Engineer - Production Engineer - Operation Engineer - Process Engineer

Military Status: Exempted | Marital Status: Single  
Damietta, Egypt | 01003344476 - 01153213775 | eyadelessilyz@gmail.com

## OBJECTIVE

An exceptionally driven and creatively gifted Chemical Engineer, with a relentless passion for innovation and excellence. Renowned for transforming complex problems into clear, actionable solutions through critical thinking and a fearless approach to challenges. I bring not only top-tier academic distinction but also an unwavering Commitment to the success of any workplace I become part of. I thrive in high-pressure environments, adapt to unexpected changes without hesitation, and operate with endless energy, responsibility, and integrity. I don't just contribute, I elevate the entire operation. My mission is simple: to leave a lasting mark wherever I work, not just with results, but with a name that's remembered.

## WORK EXPERIENCE

### Chemical Seed – Gamasa, Egypt

July 2025 - September 2025

Production Engineer – SOP & HCl Production

- Learned and participated in the complete production cycle of Sulfate of Potash (SOP) and Hydrochloric Acid (HCl), from raw materials to final product shipping.
- Gained in-depth understanding of process integration by utilizing intermediate products and byproducts from one process as inputs for another, enhancing efficiency and reducing waste.
- Acquired practical knowledge of chemical handling, process optimization, and quality monitoring in large-scale industrial operations.
- Strengthened adaptability and problem-solving skills through real-world exposure to interconnected chemical manufacturing processes.

## TRAINING EXPERIENCE

### Grand Fish Company – Damietta, Egypt

June 2024 - Aug 2024

Trainee – Production Engineer

- Trained in the complete process of fish feed manufacturing, from raw material handling to packaging and shipment.
- Studied various types of fish feed and their specific applications based on fish species, age, and habitat.
- Acquired knowledge in quality control and quality assurance procedures to ensure product consistency and compliance with nutritional standards.
- Strengthened observation, documentation, and problem-solving skills in a real-world production environment.

- Gained hands-on experience in the full production cycle of resins, from raw materials to final shipment.
  - Learned how resins are utilized in coating applications and the critical role they play in product performance.
  - Developed strong teamwork skills and the ability to apply creative, analytical thinking in fast-paced manufacturing environments.
  - Understood the importance of precision, timing, and coordination in industrial production settings.
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## FIELD EXPOSURE

Participated in technical site visits during the summer of 2023, 2024, and 2025 to expand industry awareness and practical knowledge:

- **Grand Fish – Second Plant, Gamasa.**
- **Chemical Seed Plant, Gamasa.**
- **Damietta Soy Oil Plant, New Damietta.**

These visits provided exposure to real-world chemical and industrial processes, equipment operation, safety protocols, and workflow management in both food and chemical production sectors.

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## EDUCATION

### Bachelor of Science in Chemical Engineering

Sep 2020 - Sep 2025

Higher Institute for Engineering and Technology in New Damietta

- Degree: A+ | Percent: 93%
- Ranked 1st in Class for Five Consecutive Years

### Essential Education in Egypt

Sep 2017 - Aug 2020

Damietta Military High School

- Percent: 90.5%
  - Ranked 5th in Class for Two Consecutive Years (2018 and 2019)
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## GRADUATION PROJECT

### Name: Bio-sorptive Remediation of Heavy Metal-Contaminated Water Using Avocado Seed-Derived Adsorbents.

I led a research project focused on developing sustainable bio-adsorbents from avocado seeds for the removal of heavy metals from contaminated water. The work involved adsorbent preparation, characterization, and performance evaluation under various conditions, demonstrating an innovative, eco-friendly approach to water purification.

The project was conducted under the supervision of

- Prof. Dr. Taha Farrag, Dean of the Faculty of Engineering at Port Said University
- Dr. Nada Abo Eleneen, Assistant Professor of Chemical Engineering at the Higher Institute of Engineering and Technology in New Damietta.

**As team leader**, I worked diligently to drive our vision and goals to completion, and the project was awarded an **A+ grade** in recognition of its success and impact.

## VOLUNTEERING EXPERIENCE

### **Founder, President, and Team Consultant – Chemical Engineers Hub** Jan 2023 - Present

- Established a scientific team dedicated to making chemical engineering education more accessible, practical, and engaging for students.
- Designed and delivered academic support programs, including affordable courses in safety, process simulation, and advanced engineering topics, in collaboration with Dr. Nada Abo Eleneen (Assistant Professor) and Dr. Hend Gado (Head of Department).
- Organized industrial field visits to leading companies such as Grand Fish, Chemical Seed, and Damietta Soy Oil, providing students with valuable exposure to real-world processes.
- Built a platform that not only simplified access to local and international educational resources but also strengthened student employability through training protocols and industry connections.

### **Video Engineer – Shabab Handaset Dumiat** Jan 2021 - Present

- Contributed for four years as the team's Video Engineer, responsible for creating a strong and memorable presence on social media.
- Produced and edited high-quality video and audio content, including recording, color correction, animation, and presentations, ensuring a professional image for the team.
- Learned the true essence of teamwork by collaborating within a group of more than 200 members, consistently meeting goals with creativity, persistence, and passion.

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## HONORS AND AWARDS

### **Most Honorable Student – Class of 2025, Chemical Engineering Department**

Awarded for five years of continuous support to classmates through teaching, summarizing scientific material, and making knowledge more accessible with sincerity and dedication.

### **Greatest Leader Award – Graduation Project Team**

Recognized for exceptional effort and leadership in guiding the project to an A+ evaluation.

### **5 Top Student Award – Chemical Engineering Department**

Ranked in 1st place for five consecutive years, demonstrating consistent academic excellence, discipline, and distinction.

### **4 Excellence Awards – Shabab Handaset Dumiat**

Honored for outstanding contribution as a Video Engineer in content creation, media production, and strengthening the team's presence across four years.

### **2 Recognition Awards – Chemical Engineer Hub**

Acknowledged for impactful initiatives in improving student access to academic resources, organizing courses, and arranging industrial field visits.

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## ADDITIONAL SKILLS

- **Technical Skills:** Problem Solving, Critical Thinking, Modeling and Simulation, Teaching and Academic Skills, and Love Challenges.
- **Languages:** Native Speaker of Both English and Arabic.