

Holds a B. Sc. in Chemical Engineering and has over 4 years hands-on experience working as Chemical / Process Engineer.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : Oct. 1991  
Gender : Male  
Residence : Minia

## **EDUCATION**

: B. Sc. in Chemical Engineering, Minia University, 2014

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet

## **TRAINING COURSES AND CERTIFICATIONS**

- : Training in Sugar industry in Abo QrQas - Minia (Aug./Sep. 2013).
- : Training in Qedwan Water Treatment Station, Minia (Aug. 2012).
- : Training in plastic factory in Minia Industrial Zone (Jul./Aug. 2014).
- : Training in RDI Center in Biogas.
- : Training in Ceramic factory in Minia Industrial Zone.
- : Training in RDI Center in SOFC Unit by using biogas to generating electricity.
- : OGS (Oil and Gas Skills): Natural Gas Processing, Heat Transfer Equipment, Pumps, Storage Systems and Bio gas.
- : How to Recycling solid wastes.
- : Fermentation of sewage slurry, food wastes, animal wastes to biogas.
- : International Computer Driving License (ICDL).

## **CHRONOLOGICAL EXPERIENCE RECORD**

**Dates** : From Jan. 2017 till now  
**Employer** : Reliance Group

**Job title** : Process Engineer  
**Job Description** : Alternative Fuels, Refused Derived Fuel RDF, Recyclables and Compost production.

**Dates** : From Mar. 2016 till Dec. 2016  
**Employer** : Elnenaiea Co. for industry & trading factory (drying vegetables and fruits) in Ashmoun - Menoufia

**Job title** : Chemical Engineer in biogas field  
**Job Description** : Worked in recycling or fermentation wastes of drying and distillation into biofuel use as fuel for boilers.

**Dates** : From Jul. 2014 till Mar. 2016  
**Employer** : RDI (Research and Development Institute) in Faculty of Engineering – Minia University  
**Job title** : Chemical Engineer Researcher in Biogas fields and renewable energy

**Field of experience** :

- Generating electricity by using SOFC unit (solid oxide fuel cell) from wastes such as animal waste, plants waste, sewage slurry, food waste and human wastes.
- Fermentation of animal waste and food waste to biogas by using floating tank digester - we feed 25 kg daily feed, this feed produce about 1-2.5 m3 biogas.
- We do treatment for biogas to remove H<sub>2</sub>s by desulfurization unit then we feed biogas to SOFC unit.
- We using SOFC to generate electricity by 65-75%.