

Holds a B. Sc. in Electrical Power & Machines Engineering and is looking to gain experience in his field of education.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 06/08/1997  
Gender : Male  
Residence : Cairo

## **EDUCATION**

: B. Sc. in Electrical Power & Machines Engineering, Helwan University, 2020

## **LANGUAGES**

Arabic : Native Language  
English : Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet  
: AutoCAD 2D  
: Revit MEP  
: ETAP (Short Circuit and Voltage Drop Calculation)  
: Ecodial  
: Dialux (Evo)  
: Simatic Manager  
: TIA Portal  
: WinCC  
: Indusoft  
: Adobe Photoshop

## **TRAINING COURSES AND CERTIFICATIONS**

: KAITECH Solutions – MEP BIM Scholarship (2020): The MEP BIM Track Content: BIM Fundamentals, Revit MEP: Revit Essentials, Revit Advanced, Work-sharing, BIM Management, Visual Programming, Cloud BIM (BIM 360), Coordination, Clash Detection, BIM Implementation, XR Technologies: Virtual Reality, and Augmented Reality, Programming & BIM Automation with Python.

- : Engineering Consultant Group (ECG) – UTW11 Internship (2019): It is an intensive program, 3 months, that covers the electrical design for construction field, from concept, through schematic to detailed design. The program is sponsored by suppliers' entities, as: Schneider Electric, El Sewedy for Transformers & for Cables, 3-Brothers, and SIRAJ.
- : HA Consultant Group - Industrial Automation Diploma (PLC, HMI, SCADA): It is an intensive training that covers the automation and control life cycle with a lot of practical projects, like production lines, packing systems, and more. We had the chance to work with different types of PLCs like Siemens, LG, Schneider.
- : GUPCO Company – Summer Program (2019): A week at "Shukeir for Gas - GUPCO" Site. The program focuses on Automation, Instrumentation, and Power System Distribution in hazardous area Feeding.
- : Schneider Electric (UTW11) - Summer Program (2019): It was a part of UTW 11 Sponsor. We had different sessions and workshops through LV Switchgears & Distributors, Smart Panels, Harmonics Reduction, PF Correction, and a gentle introduction to KNX.
- : 3Brothers (UTW11) – Summer Program (2019): It was a part of UTW 11 Sponsor. We discovered a lot of lighting topics like: Luminaries Assembly (Factory), Luminaries Types, Lamps Testing (Lab), Lighting Control, Gallery Show for 3Brothers Products.
- : Elsewedy Electric (UTW11) – Summer Program (2019): We had various field trips to Elsewedy factories and got in-depth sessions about transformers, power cables, and the different types of testing.
- : South Cairo Electric Distribution Company (2018): A Summer Training that focuses on the scope of Medium Voltage to Low Voltage Technology that covers: Egypt Electrical Grid Anatomy, Distributors, Protection Basics, Solar Energy, a gentle overview of SCADA Systems, Quality Control, Electrical Meters Types, and more. Then followed by a Maintenance Field Trip of a Distribution Transformer.

Graduation Project:

Portable Water Treatment Station using Photovoltaic (PWTS): System and P&ID Design, PLC Programming and Power System Distribution.