

Mohamed Ahmed Abdelkhalek

Personal Information:

Date of birth: 30 / 10 / 1992

Nationality: Egyptian

Military service: Exempted

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Profile:

Seeking a challenging and responsible position in "**Electrical Power and Machines Engineering**" which my knowledge & skills are applied, to expand my experience for more development of my own performance. Thus, adding value to myself and to the organization.

Work Experience :

- ☒ **Current Job :** Electromechanical Installation Engineer at Egyptian Contracting Company - S.E.D.E (Mokhtar Ibrahim), from 26 March 2016 till now.
 - **Job Description :** responsible of electromechanical installations in water treatment and sewage plants at company branches in Sohag and Qena.
- ☒ **Previous Job :** Maintenance and Operation Engineer at Egyptian Contracting Company - S.E.D.E (Mokhtar Ibrahim), one year from 1 April 2015 to 25 March 2016.
 - **Job Description :** responsible of control & operation and maintenance work of a concrete mixing plant at company branch in Aswan, Toshka.

Educational Qualification:

- Studying for **Master** in Electrical Power & Machine Engineering – Renewable Energy Faculty of Engineering Assiut University (September 2016 till now).

- **Bachelor of Engineering B.sc.** in Electrical Power & Machines Engineering (credit system), Faculty of Engineering, South Valley University (2009-2014) .
 - Accumulated Grade: 2.86, (B-), 77.55%.
 - 4th Year Grade: 3.31, (B+).
 - Graduation Project: Small-scale wind turbine for remote farms.
 - Project Grade: Excellent,(A).

Technical Trainings:

- Hydro plants generation company (HPGC), **High Dam**, Aswan, Egypt (3 weeks from 1/7/2012 to 19/7/2012).
- South Qena distribution station (**Twerat station**), Qena, Egypt (3 weeks from 21/7/2012 to 9/8/2012).
- **Aluminum company** of Egypt, Qena, Egypt (2 weeks from 1/9/2012 to 13/9/2012).
- **Transformers' station** in Nag Hammadi **500KV**, Qena, Egypt (3 weeks from 1/7/2013 to 21/7/2013).

Courses:

- Industrial **PLC** applications.
- Electrical power systems **distribution** applications.
- **Solar PV** and power saving consumption products.

Online Courses:

- **Organic Solar Cells** - Theory and Practice. (Technical University of Denmark)
- **Wind Energy**. (Technical University of Denmark)

Technical Programs Skills:

- **Stellarium** for solar panels positioning.
- **Eagle** Printed Circuit Board (PCB) Software.
- **NI Multisim** Software.
- Simulation program "**Matlab**" and in particular "**simulink**".
- **Ladder Logic** Software for programmable logic controllers (PLCs).
- Electrical power distribution design program "**DIALUX**".
- Engineering drawing program "**AutoCAD**".
- Microsoft office programs "Word, PowerPoint and Excel".
- Internet and Windows.

Self study:

- Nilsson, James William, "Electric Circuits".
- Chapman, Stephen J., "Electric Machinery Fundamentals".
- Jr., William H. Hayt, "Engineering Electromagnetics".
- Floyd, Thomas L., "Electronic Devices".
- Rashid, M.H., "Power Electronics".
- William D. Stevenson, Jr., "Elements of Power System Analysis".

Educational Activities:

- Participating in designing buck & boost converters' circuits as a help for master degree project. (2nd year 2011-2012)
- Participating in designing 3-phase rectifier, battery monitor, charge controller, and 600 W inverter circuits in my graduation project. (4th Year 2013-2014)
- Participating in designing wind turbine tower, shaft and blades in my graduation project. (4th Year 2013-2014)

Social Activities:

- **Vice president** in my faculty student union (2013).
- Member in **IEEE S.V.U** (publicity & IT committee) (2013-2014).
- Organizing definition exhibition, workshop, project fair in **IEEE S.V.U**.
- Organizing many events in my faculty and participating in many charity organizations.

Personality:

- Interactive and fast enough to learn new technologies and sciences.
- Excellent ability to establish relationships and connection within the scope of work.
- The ability to work as one team.
- Good research abilities and problem-solving skills.
- I used to put my plans, targets and try hard to achieve them.

Languages:

- **Arabic:** Native tongue.
- **English:** Very good command of both written and spoken.