Hussein Fakih

Electrical Engineer

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📅 6th November 1998

PROFILE

As an ambitious electrical engineer, holding my bachelor of science degree, and now pursuing my master degree. I have built a great background concerning electrical installations, solar system design, AC/DC machines, diesel engine generators, and power system structures and designs. I always strive in learning and adapting new aspects in the electrical field.

EDUCATION

Master of Science in Electrical Engineer, Lebanese International University (LIU)
October 2022 – June 2024

Bachelor of Science in Electrical Engineer, Lebanese International University (LIU)
October 2017 – June 2022

SKILLS

AutoCad - Dialux Evo - Ltspice - Proteus - Winproladder - Simulink - EKTS - Microsoft Office (Ms Word, Excel, Access, Powerpoint, Project and Outlook) - C++ - Java.

PROFESSIONAL EXPERIENCE

Zahrani Thermal Power Plant (Internship)
June 2023 – July 2023
In this internship I was exposed to:
- The operation of thermal power plants.
- The design and operation of MV and HV switch gears.
- Testing insulation of stators.
- Testing stator leakage current.
- The operation of main generation components Boilers, GT Gas Turbine, Steam Turbine.

Jubaili Bros (Internship)
February 2023 – March 2023
In this internship I was exposed to:
- Operation, usage, sizing and installation of diesel generators.
- The main components of diesel generators and their functions.
- Modes of operation of diesel generators.
- Design and implementation of single line diagrams and ATS.

PERSONAL EXPERIENCE AND PROJECTS

Solar Energy Systems
- Solar energy panel types, operations, and parameters.
- Types and components of PV systems, including charge controllers, batteries, and inverters.

Programmable logical controller
- Develop and simulate Ladder logic programs.
- Background in the Structure of PLCs, PLC safety, HMI, Robots, Electrical and pneumatic components, communications protocols.

Fatek (PLC)
Using Winproladder software, FATEK PLC training box and HMI I was able to:
- Apply and simulate logic operands, latching, self latching, timers, and counters.
- Generating a flashing LED and a moving LED.
- Design a car wash machine.
- Design a program that used to remove 5 out of every 10 parts.
- Control of a heating oven, conveyer, and controlling of a motor.
- Designing a filling bottles machine.
- Design a automotive industry, reject machine, and shear press.
- Design a vending machine consist, of four rows.

LANGUAGES

English	● ● ● ● ○
Arabic	● ● ● ● ●