



Usman Ghani Ashfaq

Electrical Engineer

usman_ghani95@hotmail.com ✉

+973-34195760 📞

Tubli, Bahrain 📍

linkedin.com/in/usmanghaniashfaq in

Highly resourceful and dedicated Bahraini Electrical Engineer with a superb work ethic and Engineering research background. Possess the analytical abilities and technical skills necessary for engineering innovative designs and applications. Recognized by peers, subordinates, and senior leadership for the tenacity and the ability to gracefully handle the dynamics of a challenging and rapidly changing environment.

EDUCATION

Bachelor of Science in Electrical Engineering

University of Bahrain

09/2013 - 01/2018

GPA 3.40

Intermediate (Pre-engineering)

Pakistan Urdu School (Isa town, Bahrain)

07/2011 - 04/2013

WORK EXPERIENCE

Junior Engineer

Almoayyed Solar Co B.S.C

09/2018 - Present

Achievements/Tasks

- Currently working on Solar PV Projects with the cumulative size of 3560 kW in the Kingdom of Bahrain.
- Successfully completed the Solar PV Installers Training Course organized by Sustainable Energy Unit.
- Designed On-Grid and Off-Grid PV systems to meet criteria such as string sizing, inverter capabilities, single line diagrams, and system maintenance with extensive use of EWA standards to meet regulations.
- Surveyed and evaluated potential solar sites to examine shading, obstructions, and electrical service.
- Created shop drawings for On-Grid and Off Grid Solar PV system using AutoCAD 2D.
- Prepared energy production models for solar power plants using Helioscope software.
- Created Bill of Quantities using MS Excel.

Technician/Intern

Sitra Power and Water Station/EWA

07/2017 - 08/2017

Achievements/Tasks

- Assisted the team of technicians in carrying out power plant electrical maintenance work.
- Carried out PPM of L.V induction motors, Air and SF6 Circuit Breakers, PPM of Battery Banks, and Carbon Brush inspection.

Technician/Intern

Aluminium Bahrain /ALBA

07/2015 - 08/2015

Tasks/Achievements

- Improved my team work skills and learned to communicate effectively.
- Carried out maintenance work such as PPM of Battery Banks, Preventable Maintenance of transformers, PPM of Motor Manager, Insulation resistance test.

PROFESSIONAL SKILLS

Leadership

communicating effectively

Problem solving in a team environment

Planning and Organizing

Adaptable to changing situations and environments

COMPUTER SKILLS

AutoCAD

(Expert)

HelioScope

(Expert)

Microsoft Office

(Expert)

ESRI ArcGIS for Desktop

(working knowledge)

ACHIEVEMENTS

Best Senior Design Project Award (2018)

University of Bahrain

Dean's list (2014)

University of Bahrain

Scholarship (2013)

Ministry of Education

SENIOR DESIGN PROJECT

Design of a GIS-based Fault Location System for the 11kv Distribution System of Bahrain. (04/2017 - 12/2017)

- Collaborated with a team of 4 to design and implement a GIS based fault location system for the 11 kV distribution system of Bahrain.
- The implemented system is capable of identifying the fault type, faulty section and estimates the fault location with an accuracy of around 99%. In addition, the results are displayed geographically on Bahrain's map using the Fault Location Toolbox that was designed in ESRI ArcMap.

STUDENT LIFE & VOLUNTEERISM

ExCOM Member - IEEE UOB Student Branch

(09/2017 - 01/2018)

Operations Officer-IEEE UOB Student Branch

(10/2015 - 05/2016)

LANGUAGES

English

Expert

Urdu

Expert

Arabic

Intermediate