

## SALMAN AHMED SHAIKH

### **PERSONAL INFORMATION:**

Father's Name: Nazeer Ahmed Shaikh  
Date of Birth: 10<sup>th</sup> April, 1992  
CNIC No: 43304-8904751-7  
Marital Status: Single  
Domicile: Sindh(R)  
Nationality: Pakistani  
Postal Address: C/o: Khalid Ahmed NHEPRN Chak Shahzad, NIH Premises, ISLAMABAD  
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### **OBJECTIVE:**

A competent electrical engineer with a comprehensive knowledge of designing, developing and maintaining electrical systems and components to required specifications, focusing on economy, safety, reliability, quality and sustainability. A consistent track record of successfully completing projects from the concept and detail of the design through to implementation, testing and handover. To convert all my theoretical knowledge into practical form and enhance my technical as well as managerial skills by acquiring job in a reputable, growth-oriented organization, which provides constant personal development.

### **SUMMARY:**

I am proficient in reading engineering drawings & ladder language. Also familiar with PLC System and SCADA. In depth knowledge of ISO 9001-2000 documentation. I possess analytical skills for analyzing breakdowns and able to initiate effective, corrective and preventive action to avoid repetition of similar breakdown.

### **EDUCATIONAL HISTORY:**

- **Bachelor of Engineering (Electrical) Passing Year-2015**  
Mehran University of Engineering & Technology Jamshoro, Pakistan.  
Percentage: 70.07% out of 100%
- **PEC Registration #: Elect/48812**
- **Intermediate (Pre-Engineering) Passing Year-2010**  
Board of Intermediate & Secondary Education Larkana.  
Percentage: 70.45% out of 100%
- **Matric (Science) Passing Year-2008**  
Board of Intermediate & Secondary Education, Larkana.  
Percentage: 68.82% out of 100%

### **PROFESSIONAL EXPERIENCE:**

- Internee at **Ministry of Information & Broadcasting Islamabad (Prime Minister's Internship Program)**  
From 01 July 2016 to 01 July 2017
- Internee/Attachment at **Pakistan Engineering Council (PEC) HQ, Islamabad**  
From 08 December 2015 to 08 February 2016.
- Internee at **National Telecommunication Corporation NTC HQ, Islamabad**  
From 04 September 2015 to 01 October 2015
- Internee/Attachment at **Pakistan Engineering Council (PEC) HQ, Islamabad**  
From 06 May 2015 to 04 September 2015
- Internship-Training at **United Refrigeration Industries Limited (Dawlance) Hyderabad**  
From: 02 July 2012 to 06 July 2012.

## **PROJECTS TAKEN:**

### **Final Year Thesis/Project,**

Case Studies of 250MW Synchronous Generator at Thermal Power Station TPS Jamshoro, Pakistan.

In this thesis study of synchronous generator includes:

- Construction of Synchronous Generator.
- Operation of Synchronous Generator.
- Cooling of Synchronous Generator.
- Seal Oil Supply System of Synchronous Generator.
- Protection of Synchronous Generator.
- Design of a Guitar Tab Player in MATLAB.
- Remote Surgical Robotics: Control Systems and Human-Machine Interfacing.

## **MAJOR COURSES/SEMINARS/WORKSHOPS ATTENDED:**

- Seminar on "**Big Data in Pakistan- A PTA Led Initiative**" In Collaboration with Pakistan Telecommunication Authority (PTA), Held at PEC HQ, Islamabad.
- Course on "**OHSAS 18001:2007 Implementation and Awareness (Occupational Health)**"  
Held at PEC HQ, Islamabad
- Workshop arranged by Occupational Safety & Health Training and Consultancy on "**Hazard Identification and Risk Assessment Workshop**" on 07 September 2013.
- Attended various workshops and seminars regarding "**Machine Design and Electronics**", Tours to Heavy Industries, Power Plants and Grid Stations.

## **AREAS OF EXPERTISE:**

- Preparation of Electrical Load list and load data analysis.
- Preparation of SINGLE LINE DIAGRAMS (SLD).
- Preparations of various study documents like Cable sizing (HT and LT), Cable Schedule, and Earthing Calculation.
- Illumination level calculation for Outdoor and Indoor using CgLux/Manually.
- Equipment Sizing for Transformer, DG, Capacitor Bank, Battery and UPS.
- Preparation of various layouts like Lighting/Cable Routing/Grounding Layout for Substation and plant area.
- Preparation of hazard source list and Hazardous area Classification layout.
- Preparation of MR, PR, Bulk MTO, Technical bid analysis, Interconnection Diagram and vendor drawings review of electrical equipment.
- Bid evaluation and analysis of vendor offers, specifications and data sheets for electrical Equipment.
- Assisting with inter discipline interfaces in preparation and review of material requisition /drawings/document for electrical scope.
- Load flow and short circuit analysis using ETAP software.

## **ADDITIONAL CERTIFICATES:**

- PLC and SCADA Programmer.
- AutoCAD
- Computer Information-Technology (2010-12) From: BISE Larkana.  
Marks/Percentage: 67% out of: 100%
- Computer MS Office/CIT Course From Hitech Computer College, Shikarpur.

## **MEMBERSHIPS:**

- Institute of Electrical and Electronics Engineers IEEE.

**SKILLS SUMMARY:**

- Ability to prepare Operation & Maintenance Manuals.
- Good communication skills.
- Excellent team management skills.
- Experience/Qualification in the use of AMTECH Pro Design Software.
- Strong Analytical and Investigative skills.
- Excellent ability to handle complaints and resolve in a timely and efficient manner.
- Ability to effectively manage numerous tasks simultaneous.
- Strong decision-making skills and ability to prioritize and plan effectively.
- A Quick learner I am always open to improving my skills.

**SKILLS:**

- AutoCAD Designing
- Microsoft Word
- Microsoft Excel
- SCADA Designing
- PLC Programming
- ETAP Software
- Power Simulator
- MATLAB Programming

**AREAS OF INTEREST:**

- Control Systems
- Embedded System
- Power System operation and control
- Power System protection
- Communication system

**LANGUAGES:**

- English
- Urdu
- Sindhi

**HOBBIES:**

- Passion for reading informative Magazines, Journals and English Novels.
- Internet Surfing.
- Reading Islamic Books and Newspapers