

# Muhammad Moiz Ilyas



## Contact

### Address:

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### Phone:

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### Nationality:

Pakistani

### Date of Birth:

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## Languages

English

Urdu

Punjabi

Hindko

## Summary

Highly skilled and experienced Engineer with 3 years of experience in the manufacturing industry. Expertise in the operation, maintenance, and troubleshooting of equipment and systems. Strong leadership skills with the ability to manage and lead a team of technicians to ensure smooth operations and achieve production goals. Extensive experience in PLC programming, automated controls, panel layout, and troubleshooting of automated systems. Conduct Root Cause analysis on production machinery unscheduled downtime to ensure machine readiness.

## Key Skill

### Hard Skill

1. Maintenance & Repair.
2. PLC/ HMI configuration
3. Shift Management
4. Industrial Automation.
5. Electrical system Installation
6. Project / Team Management
7. Process optimization
8. Planning and Evaluating

### Soft Skill

1. TIA Portal / RS Logix 5000.
2. Problem Solving
3. Communication
4. Electrical Documentation
5. AutoCAD
6. Project Planning
7. Root Cause Analysis
8. Electrical drawing

## Experience

### Shift Engineer

Thal Limited Pakistan Papersack  
Pakistan

Feb 2022 - Present

### Job Description

- Managed and supervised a team of technicians and operators in a fast-paced production environment.
- Ensured production targets are met while maintaining high quality standards.
- Conducted routine maintenance and troubleshooting of equipment to prevent downtime.
- Implemented continuous improvement initiatives to optimize production processes.
- Coordinated with other departments to resolve production related issues.
- Ensured compliance with safety standards and regulations.

### Service Engineer

Suzuki Motor Corporation  
Pakistan

Aug 2020 - Jan 2022

### Job Description

- Conduct electrical troubleshooting, diagnostics, and repairs, ensuring minimal downtime and maximum efficiency.
- Collaborate with cross-functional teams to identify and resolve complex electrical issues.
- Perform preventive maintenance on electrical systems and equipment.
- Provide technical support and training to junior engineers and technicians, facilitating knowledge transfer and skill development.
- Generate detailed service reports, documenting work performed, parts used, and recommendations for ongoing maintenance.

## EXTRACURRICULAR

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- Diploma in "**Generator Repairing**" through Technical board Peshawar.
- Short Course in "**Project Management**" through IBA Karachi.
- One day training on **Fiber optics**
- **Graphic designing** through Digiskills
- **AutoCad** through Digiskills
- **Freelancing** through Digiskill
- **Digital Marketing** through DigiSkill

## Hobby & Interest

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- Innovative Idea
- Research and Development
- Science and Technology
- Hanging out with friends
- Robotics
- Gaming

### Internee Engineer

Pakistan Accumulators (Pvt) Limited,  
Pakistan

July 2018 - Sep 2018

#### Job Description

- Assisted in testing and analyzing battery performance, including charge-discharge cycles and voltage stability, to ensure product quality and reliability.
- Participated in troubleshooting electrical systems and components, collaborating with engineers to identify and resolve issues promptly.
- Contributed to the design and implementation of safety protocols and procedures, promoting a secure working environment in compliance with industry standards.

## Education

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UNIVERSITY OF ENGINEERING AND TECHNOLOGY TAXILA

BS in Electrical Engineering

2015 to 2019

PEC Registered Engineer

## Certification

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- 1) **Power Electronics Specialization - Coursera**
- 2) **Digital Manufacturing & Design Technology Specialization - Coursera**
- 3) **HCIA-Datacom - Huawei**
- 4) **Project Management Professional (PMP) - Institute of Business Administration**
- 5) **IoT developer – PIAIC**
- 6) **Research and Development – Sino-Pak**

## Projects

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1. Final Year Project on "**Design & Analysis of Grid Connected 3 phase inverter System**".

The main theme of project is to design three phase inverter and synchronize the power generated by the inverter system with the grid.

2. Industrial Project on "**Installation of Assembly line at Pakistan PaperSack**".

As an assistant engineer, I contributed to the successful installation of an assembly line at Pakistan PaperSack, enhancing production efficiency and product quality. Our work involved electrical system design and implementation, ensuring seamless operations and improved manufacturing processes.

3. Research and Design "**Landmines Detecting Robot using Robotic Arm**".

This project proposed to have a proto type model of a land-mine detection robot (LDR), The main objective of this project is to design and develop a low cost, simple and accurate mobile manipulator for mine detection.