

# MUHAMMAD FARHAN ARSHAD

*Electrical Engineer*

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Shalimar Town, Lahore.



## OBJECTIVE:

To work in an organization that offers a creative, dynamic and professional environment, where there is maximum chance of learning and grow as a proficient, innovative and committed person.

## ACADEMICS:

<b>B.Sc. Electrical Engineering:</b> UET Lahore (Main Campus)	CGPA: 2.734	2016 – 2020
<b>F.Sc. (Pre-Engineering):</b> Punjab College Lahore	Percentage: 88.81%	2014 – 2016
<b>Matriculation:</b> WAPDA Boys Model High School Shalimar Town, Lahore	Percentage: 89.72%	2012 – 2014

## PROFESSIONAL EXPERIENCE:

### Mehta Brothers Pvt Ltd

#### Production Supervisor (Continue)

- Supervision of the production process of vitamins and minerals premixes.
- Supervision of the operation of Plant.
- Maintenance of the Electrical portion of plant and genset.

### ENERCON Systems International (pvt.) Ltd

#### Commissioning Engineer (March 01, 2021 to March 01 2022)

- Hands on experience in MS Excel, MS Word.
- Worked on AutoCAD electrical Power and control drawings, made termination plans on MS Excel etc.
- Hands on experience in HT Panels, ACBs, Differential protection relays, 11kV transformers.
- Commissioned Neutral Grounding Switch (NGS) & Neutral Grounding Resistor(NGR) Panels at various industries.
- Commissioned Generator Control Panels of Caterpillar G3512H,G3520H,CG170;
- Commissioned 6xCAT D3516B (1600kW) at **DHA Penta Square, Lahore**
- Commissioned CAT G3512H(1484kW)GCP at **North Star Textile Ltd Sheikhpura.**
- Commissioned CAT CG170-12(1x1166kW) GCP at **Naveena Denim Ltd Lahore.**
- Commissioned CAT G3520H(1x2500kW) GCP at **Kohinoor KGL Raiwind.**
- Commissioned CAT G3520H(1x2400kW) GCP at **Redco Textile Rawat.**
- Commissioned CAT G3520H(1x2400kW) GCP at **Indus Dyeing Ltd Muzaffargarh.**
- Commissioned CAT Generator Control Panel at **Azgard-9 Ltd Raiwind.**
- Commissioned CAT CG170 Generator Control Panel at **I-Pak Films Ltd Raiwind.**
- Commissioned Generator Control Panels of HFO Hyundai Gensets(4x1880kW) at **Time Ceramics Ltd Faisalabad.**
- Commissioned Generator Control Panel (1x1972kW) at **Nashpa Oil & Gas Field OGDCL, Kohat**
- Hands on experience on Dief, ComAp,Sices,DSE controllers.
- Hands on experience on Siemens S7 1200, S7 1500, IPC,Simatic HMIs.
- Hands on experience in TIA portal and Modbus communication.
- Worked on Weintek HMI, Fatek PLCs.

### Banu Mukhtar Products (pvt.) Ltd

#### **INTERNSHIP** (June 01, 2018to August 31, 2018)

- ✓ Work on PLC & HMI, Proximity sensors(PNP & NPN),photo sensors,Relays,Reed Switch,Metaldetector, Encoders (linear,rotary),weighing controllers,weighing indicators,Temperature Controller

- ✓ Worked on SIMATIC Diagrams, Single Line Diagrams, Functional Block Diagrams, Ladder Logic
- ✓ Work on Electric machines ( 3 $\phi$  Alternators upto 1MW, AC Motors, DC Motors, Vibrators, Air compressors
- ✓ Power Factor Controllers, VFDs, LT Panels, Changeover switches
- ✓ Industrial Power Protection Systems

**National Transmission and Dispatch Company, Pakistan INTERNSHIP** (July 01, 2019 to August 09, 2019)

- ✓ Worked on Power Systems operation and control
- ✓ Worked on CTs, PTs, Surge arrestors, Relays (Overcurrent, Overvoltage, Differential, etc)
- ✓ Worked on Control Systems (Controllers, SCADA, DCS)
- ✓ Managerial Tasks (Tendering, Drafting, Staff Dealing etc)

**Pakistan Railways Headquarters Office Lahore**

**INTERNSHIP** (June 24, 2019 to July 20, 2019)

- ✓ Worked on Power House (2MW)
- ✓ Worked on PLC and HMI

## PROJECTS:

**Energy Harvesting from Magnetic Field of an Overhead Transmission Line for Smart Grid Applications**

**Final Year Project, 2019-2020**

## MAJOR COURSES

- Power Transmission, Distribution and Utilization
- Power System Analysis
- Power Electronics (Rectifiers, Inverters, DC Converters, Choppers)
- High Voltage Engineering (Insulator Testing, generation of high AC & DC Voltages)
- Electrical Energy Systems (Renewable)
- Control Systems (Open loop, Close loop, PID, Lead & Lag Compensators)
- Industrial Electronics (Sensors, Actuators, Hydraulic & pneumatic valves, PLC, DCS, SCADA)

Electromagnetic Theory

## CO-CURRICULAR ACTIVITIES:

- ✓ OHSAS Safety Training Course (2019-2020)

## COMPUTER PROFICIENCY:

- ✓ TIA Portal V15
- ✓ PLCSIM
- ✓ ANSYS
- ✓ Arduino
- ✓ MATLAB
- ✓ Visual Studio
- ✓ Microsoft Office

## INTERPERSONAL SKILLS:

- ✓ Leadership Qualities
- ✓ Team work spirit
- ✓ Analytical Skills
- ✓ Effective Communication
- ✓ Target Setting
- ✓ Administrative Skills
- ✓ Good Speaker

## INTERESTS:

House Planning | Islamic Books Reading, Islamic Poetry Reading | Socializing | Technical projects Making

## REFERENCES:

1. Muhammad Hamza Zafar  
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Pakistan.  
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