

# Sohaib Ahmed



## CAREER OBJECTIVE:



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
To pursue a career in a progressive organization that provides opportunities for career growth & professional development in order to groom overall personality and to work in an excellent and challenging environment with the team of experts.

## PERSONAL INFORMATION:

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Permanent Address : H-No.17,19&21, St#7 River garden near Kaak bridge Islamabad.

Contact Numbers :  00966 546726446, 00966 595376723 (Mobile)  
 0092 51-2729604 (Residence)

Email Address :  engineer09.sa@gmail.com

Date of Birth : April 03, 1988

Father's Name : Chaudhry Ahmed Ali

Passport : SF1158292

Domicile : Federal (Islamabad)

Pakistan Engineering Council : 28499

Saudia Engineering Council : 68370

Note:- Valid Pakistani & Saudia driving license

## QUALIFICATION:

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### B. Sc Electrical Engineering

2005-2010 University of Lahore (recognized from Pakistan engineering council), Lahore.  
3.06 / 4.00 76.50% 1<sup>st</sup> Division + A Grade

### F. Sc (Pre-Engineering)

2003-2005 Federal Govt. Degree college for Men, H-9, Islamabad.  
556 / 1100 50.6% 2<sup>nd</sup> Division + C Grade

### Matriculation

2001-2003 Federal Govt. Boys Model School, G-6/4, Islamabad.  
536 / 850 63% 1<sup>st</sup> Division + B Grade

## PROFESSIONAL EXPERIENCE (INTERNSHIPS):

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**1- PAKISTAN TELECOMMUNICATION COMPANY LIMITED (PTCL)** (19<sup>th</sup> June, 2008 till 16<sup>th</sup> October 2008, 16 weeks) is the largest telecommunications provider in Pakistan.

### Job Description:

I had been working in department of **Multimedia and Broadband (MM&BB)** as an internee. During my internship I have worked on triple play (telephony, high speed internet, IPTV) project and equipment deployed in ISP. I have also worked in O&M activities in **Intelligent Network (IN)** platform. I have also gained knowledge of Transmission system of ZTE and VAS (Value Added Services). I was also involved in project of expansion of PRI (Primary Rate Interface) in Satellite town Rawalpindi exchange.

**2- NATIONAL TRANSMISSION AND DISPATCH COMPANY (NTDC)** (18<sup>th</sup> June, 2009 till 20<sup>th</sup> July 2009, 4 weeks) is the largest wing of **WAPDA**.

Its main responsibility is to install and maintain different sub stations (500kv, 220kv) it is also responsible for installing transmission lines form generating end to load centers.

### Job Description:

I was attached with different departments like **Design, Planning, Extra high voltage, System Protection, Grid system operations, Training services group** as an internee.

During my internship I have learned a lot in every department. There were special lectures arranged for internees along with practical training. I also learned how to a build grid station. there were some visits to different grid stations like Gutti grid station Faisalabad (500kv), Band road grid station Lahore (220kv), Kot lakh patt grid station Lahore (220kv)

I also learned about different bus bars schemes and about different types of relays, circuit breakers, and transformers.

## PROFESSIONAL EXPERIENCE (JOBS):

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**1- Alfanar Testing & Commissioning (AT&C)** is subsidiary of Alfanar Co. that is leading and fast growing company based in Saudia Arabia. This has state of art and most advance technology with all International safety standards.

### Reference Project:

- 380kV / 132kV / 13.8kV GIS Substation (9023) by SSEM, Al-Riyadh, KSA.
- 115kV / 13.8kV GIS Substation (Shamiyah Makkah) by ABB, Makkah, KSA.
- 115kV / 13.8kV GIS Substation (Saihat) by Alfanar Co., Dammam, KSA.
- 132kV / 13.8kV GIS Substation (8193) by Alfanar Co., Riyadh, KSA.
- 110kV / 13.8kV GIS Substation (Taibah University) by Siemens, Madinah, KSA.
- 230kV / 33kV / 4.16kV GIS / SWGR Substation Jubail Oil Refinery Project by ARAMCO, Jubail, KSA.
- 380kV / 33kV GIS Substation Haramain High Speed Railway Project by Alfanar Co., Madinah, KSA.
- 13.8kV Switchgear Substations Power Factor Correction Project by Siemens, Eastern region, KSA.
- 132kV / 13.8kV GIS Substation (8170) by ABB, Riyadh, KSA.
- 132kV / 13.8kV GIS Substation (8169) by SSC, Riyadh, KSA.
- 380kV / 132kV / 13.8kV GIS Substation (9014) by SSEM, Riyadh, KSA.

- 13.8kV MV Switchgear Final setting change by Protection dept. Saudi Electric Co., Riyadh, KSA.
- 380kV / 132kV / 13.8kV GIS Substation (9007) by Osais Inabensa & Alfanar Co., Al-Riyadh, KSA.
- 132kV / 13.8kV GIS Substation (8163) by Al-Arrab Co., Riyadh, KSA.
- 13.8kV MV Switchgear OC&EF relay testing by Protection dept. Saudi Electric Co., Riyadh, KSA.
- 380kV / 132kV / 13.8kV GIS/AIS Substation (Al Jouf - 1, 2 & B) by Alfanar Co., Al Jouf, KSA.
- 132kV / 13.8kV GIS Substation (Al Tuwair) by Alfanar Co., Sakaka Al Jouf, KSA.
- 115kV / 13.8kV GIS Substation (Dammam Housing-2) by Alfanar Co., Dammam, KSA.
- 115kV / 13.8kV GIS Substation (Dammam Industrial City-2) by Tareg Al Jafari Co., Dammam, KSA.
- 115kV Transmission Line Power supply to Gas Oil Separation Plant by SAIPEM, Khurais, KSA.
- Fadhili Gas Plant Project by Tecnicas Reunidas, Fadhili, KSA.
- 380kV / 115kV / 13.8kV GIS Substation by Alfanar Co., Dammam, KSA.

**Job Description:**

- Worked as Group Leader and Lead Testing & Commissioning Engineer.
- Supervision of 230kV, 33kV and 4.16kV Substations and HVAC System as Group Leader.
- Testing & commissioning of advanced relays and Protection schemes in new, live and under shutdown Substations.
- Cable schedule designing for Protection panel, LCC Panel and Switchgear panel.
- Clearing SNAG list / Punch list / troubleshoot at substation.
- Fault Analysis using different software like Sigras / Wavewin.
- Modification and design of Electrical drawings and panels i.e. GIS, Switchgear and protection panels as per field.
- Protection scheme, interlocking schemes and SCADA signaling verification.
- Verification of Protection signaling, commands and status for Substation Automation System (SAS).
- Configuration of Data Retrieval Panel.
- OHL/UGF Distance & Differential Protection relays configuration, testing and commissioning.
- Transformer Differential Protection relays configuration, testing and commissioning.
- Over/ Under Voltage & Frequency Protection relays configuration, testing and commissioning.
- Overcurrent Protection relays configuration, testing and commissioning.
- Busbar, Breaker failure and TEE Protection relays configuration, testing and commissioning.
- Auxiliary relays, MCCB testing and commissioning.
- Testing & commissioning of function of 380kV & 132kV GIS LCC & 13.8kV Switchgear panels.
- Testing & commissioning of AC & DC distribution panel and Auto Transfer scheme.
- Low Voltage (LV), Medium Voltage (MV), High Voltage (HV), Extra High Voltage (EHV) panel equipment and function testing & Commissioning.
- ACSE/ABTS (Auto Bus Transfer Scheme), ACCS (Automatic Capacitor Control Scheme) and RTCC/AVC (Automatic Voltage Control) Scheme verification.
- Complete protection testing & commissioning of Transformer Upto 500MVA Transformer and 60MVA Reactor.
- Capacitor bank and its protection testing & Commissioning.
- Expertise on ABB, Siemens, ALSTOM, Schneider, GE, SEL, ZIV latest relays.
- SF6 Dew point and Purity test of GIS by SF6 Analyzer 973 (ABB) / SF<sub>6</sub>-Multimeter (DILO).
- Circuit Breaker Testing by TM1600 / EGIL Program (GE Energy Services).
- CT testing by CT Analyzer / CPC100 OMICRON.
- VT testing by CPC100 OMICRON.
- Primary Injection, Stability & Sensitivity testing of Transformer, Bus bar and TEE Protection.

## ACHIEVEMENTS

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- Have been a position holder in university and college.
- Awarded Dean's Honor List for getting distinction in first semesters.

## PROFESSIONAL COMPUTER SKILLS:

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### ➤ Relays Testing Software

- PCM 600 (ABB)
- ZiverComplus (ZIV)
- AcSELeRator Quickset (SEL)
- MR Suite (TAPCON)
- DIGSI (Siemens)
- Enervista (GE)
- FREJA Win (Programma)
- Easergy Studio (Schneider)
- MiCOM S1 Agile (ALSTOM)
- Test Universe (Omicron)
- MiCOM S1 Studio (Schneider)

### ➤ Relay Configuration/Programming Software

- ZIVerCID
- CAP 540 (ABB)
- RTK Configurator (RTK)

### ➤ Power Equipment Testing Software

- CT Analyzer (Omicron)
- SF<sub>6</sub>-Multimeter (DILO)
- CPC (Omicron)
- SF6 Analyzer (ABB)

### ➤ Disturbance Recorder Software

- Wavewin (ABB)
- SIGRA (Siemens)
- AcSELeRator Analytic Assistant (SEL)

### ➤ Other Engineering Software

- ETAP 7.0
- LabVIEW 8.5
- P-Spice
- PSpice
- AutoCAD
- Electronic Work Bench
- Multisim
- Modelsim

### ➤ Languages

- Assembly Language
- Verilog HDL
- C++

### ➤ Miscellaneous

- MS Project
- MS Visio
- MS Office

## LANGUAGES:

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- Fluent in English, Urdu and Punjabi.
- Basic in Arabic.

## EXTRA CURRICULAR ACTIVITIES:

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- Participation in Quiz Competition in university.
- Participation in Programming competition in university.
- Participation in organizing different events in university.
- Participation in inter-department cricket competition in school, college and university.

## **H O B B I E S:**

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Reading Historical books, visiting historical sites and playing cricket.

## **TECHNICAL TRAINING CERTIFICATES:**

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- BSC & BTS of Huawei Technologies. (which includes hardware & software installation, configuration, maintenance and troubleshooting issues of BTS3012 & BSC6000 of GSM)  
**University of Engineering and Technology (UET), Lahore.**
- MSE (MSoftX) of Huawei Technologies. (which includes hardware & software installation, configuration, maintenance and troubleshooting issues of MSoftX3000 of GSM)  
**University of Engineering and Technology (UET), Lahore.**
- HLR of Huawei Technologies. (which includes hardware & software installation, configuration, maintenance and troubleshooting issues of HLR9820 of GSM)  
**University of Engineering and Technology (UET), Lahore.**
- ISO9001:2008 Internal Auditor (which includes general safety and accident prevention, Hazards and Risks in ship repair; oil & Gas industry, Emergency response, Current HSE procedures, first aid and firefighting; operation of fire extinguishers etc)  
**Medilink Group of Companies, Riyadh.**