

Farhan Ahmad



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PROFILE

I am an enthusiast and hard working individual with a graduation in technologies. I am always keen on learning new skills, tools and technologies and keep my self up to data with the latest and ever evolving technologies. I keep good personal and social skills, and am very good in communication, presentation and documentation.

TECHNICAL SKILLS

- Well versed with Experienced in PTCL, specifically in networking highly Available and fault tolerant applications.
 - Networking,
 - Performing Voice testing
- Expert in designing, enhancing and administering in RF and Microwave.
 - Antenna designing
 - S11,S12 parameters
 - S22,S21 parameters
 - Data testing
 - HSDPA testing
- Experienced in the programming and computer technologies.
 - C++
 - Multisim
 - MS Office
 - Matlab
 - Proteus
 - Autocad
- Experienced in designing and simulating in computer simulation tool (CST) and enhance experience in Oil and gas development limited (OGDCL).
 - EBGs
 - Radiation pattern
 - Instrumentations
 - Turbine
 - Power house
 - Radar Application
 - Side lobes
 - Motors
 - Generator
 - valves

PROFESSIONAL EXPERIENCE

***Pakistan Telecommunication limited,
PTCL, DIKHAN, PAKISTAN***

Aug 2018 – 2019

The Pakistan Telecommunication authority is the telecommunication regular of Pakistan, responsible for the establishment, operation and maintenance of telecommunication system and the provision of telecommunication services in Pakistan.

Responsibilities:

- Interact with the customer to understand the technical requirement and work on possible solutions and services.
- Evaluate customer workloads and interact with infrastructure and development teams to find contingencies and bottle necks within the workloads.
- Work with different subject area experts to architect a finalized solution for the customer.
- Build proof of concepts for the customer to evaluate and to get familiarized with the telecommunication and services.
- Conduct training sessions and workshops for existing and new customers

Trainee,

OCT 2019 –Nov 2019

Gas Oil &, Islamabad PAKISTAN

Oil and Gas development Company Limited (OGDCL) is a Pakistan nation and oil and gas company. Responsible for research and development of oil, gas and energy products in the country.

Responsibilities:

- Responsible for maintaining instruments different types of valves and perform testing on it.
- Researching, testing motors and generators.
- Responsible for managing PLC and backup batteries.
- Responsible for testing Turbine.

Key Projects:

- **GOMAL UNIVESITY** – I have worked on CST and I have done on my projects ,recently I have worked Electromagnetic band gap (EBG) structure for Radar application and 5G MIMO. I have drawn three types of EBGs at 4Ghz Mashroom, Swastika and Cross Hair. I have designed different EBG unit cells and optimized using CST MW studio at 4Ghz and put into between two patch antennas, the function of patch antenna to increase the bandwidth of EBGs and enhance the performance of antenna. The best performance was Mashroom type antenna its gives 10dbi gain which was more efficient for Radar application. Electromagnetic band gap (EBG) structure are a popular andefficient technique for microwave applications. EBG may be combined with microstrip antenna to increase the diversity gain, the radiation efficiency and to suppress surface waves to reduce the side lobes of the radiation pattern and to increase the bandwidth.

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***IT Support,
PTCL, DIKHAN, PAKISTAN***

Sep 2017 – DEC 2017

Responsibilities:

- Configuration routers, switches, desktops and office equipment like fax scanner and printers at offices.
- Provide technical support to the users, monitoring and maintenance of Datacenter.

Debug applications and report an issues back to the developers

CERTIFICATIONS

PTCL Certified site Engineer,	DIK,PAK,	DEC 2017
OGDCL Certified Trainee Engineer,	ISB,PAK,	NOV 2019
Microsoft Certified Professional,	HEC,PAK,	APR 2019
Certificate of participation in Project GIKI,	GIKI,PAK	DEC 2019
Certificate of participation of project IST	ISB,PAK	DEC 2019
Antenna Certified Professional	DIK,PAK	April 2019

EDUCATION

BS in Electrical Telecommunication Engineering

Sep 2015 – Aug 2019

(Major in Computer systems)

CGPA: 3.37 / 4

Gomal University, DIK, Pakistan

