

Muhammad Saad Farhan

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Objective

I am a engineering graduate seeking to be a value adding asset to the organization by taking on dynamic responsibilities as a trainee engineer and to familiarize myself with the current field technology as well as work ethics that are in place in contemporary corporate organizations.

Academics

Feb 2017 **Bachelor's - BS (Electrical Engineering)**

COMSATS Institute of Information Technology, Wah Campus, Wah, Pakistan with (Grade/GPA) 3.01

My Majors include Control Systems, Electric Machines, Digital Signal Processing, Digital Communications Systems, Data Communication and Computer Networks, Microwave Engineering and Optical Fiber Communication.

Mar 2012 **Intermediate - FSC Pre Engineering**

Fazaia Degree College, Kamra, Attock, with (Grade/GPA) B

Mar 2009 **High School - Matric**

Fazaia Degree College, Kamra, Attock, with (Grade/GPA) A

Skills and Abilities

Soft Skills

- Communication.
- Problem Solving.
- Team work and leadership.

Hard Skills

- Presentation skills using MS Powerpoint and graphics design using Adobe Illustrator.
- Project Planning using MS Project.
- Technical report writing.
- Experience of 2D and 3D drawing in AutoCAD.
- Circuit and PCB Design using Proteus.
- Networking Simulation using CISCO Packet Tracer.
- Antenna and Filter Design using Ansoft HFSS and Ansoft Design.
- Coding in Python, Java, MATLAB and C/C++ using various IDE's like Arduino IDE, RPI Jesse OS's Python 2.7 IDE, Netbeans, Dev C++/Turbo C etc.

Certification

I did a training of 4g-UMTS RF Network Planning and Optimization from SINA Institute of Networks and Aesthetics. It was a month long training in which we were familiarized with 3G and 4G architecture, Radio Frequency Planning and Optimization, Performance KPIs, Drive Testing and its softwares like Genex Probe and Post Processing tools like Genex Assistant.

Project

I led a team of 4 members for our final year project which was the design and implementation of a border surveillance system using wireless sensor networks by integrating motion sensors and Zigbee wireless transceivers with single board computers (SBC) like Arduino and Raspberry Pi.

Experience

NOC Executive Internee	From 21- 07-2017 To 31-09- 2017	I interned in HNL which is a subcontractor firm of Telenor. I was "NOC Executive Internee for approximately 3 months there. It was primarily a supervisory position in which I had to monitor various transmitting stations of Telenor for different alarms through Integrated Network Management System NetNumen N31 and coordinated between field teams and NOC authorities.
Intern	From 01- 12-2017 To 30-06- 2018	I worked on Government of Punjab's project of Land Record Digitization in which I helped in validation and digitalization of all land record of District Attock.