

Personal Info: **Johar Raza**



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Objective: To gain first-hand experience and utilize my knowledge to further develop my interpersonal skills of electronic communication and to achieve my education career goal in the field of electronic communication.

To pursue a career which will professionally utilize my experience and provide me with an opportunity to excel in my profession. I would like to undertake exciting and challengeable jobs which would enhance my professional experience.

Experience:	Organization	Pakistan Telecommunication Company Limited (PTCL)
	Designation	Internee
	Location	Rawalpindi, 6 th Road Satellite town, Pakistan
	Tenure	Aug-2017 To Oct-2017
	Description	<ul style="list-style-type: none">• Learning how to install and upgrade system. Working as a team and discussing various ideas.• To get first-hand knowledge with PTCL advance technology and equipment.• To get first-hand knowledge of Mobile switching center (MSC), Base switching center (BSC), Fiber to the home (FTTH) & Pakistan Internet Exchange (PIE).• To get some knowledge about Optical Fiber Network (OFANs).• To study the Power system of whole exchange in detail which consist of Back-up generators, Back-up UPS and main WAPDA phases.• Some important panels Transformer Protection Panel (TPP), Auto Timer Switch Panel (ATS), Distribution Panel and High Ampere Circuit Breakers.

Education:	Degree Name	BS Electronic Engineering
	Level Attained	Bachelor's Degree (4 Years)
	Institute	International Islamic University Islamabad (IIUI)
	Address	Islamabad, Pakistan
	Session	2014-2018
		Project Work (Final Year): Smart Gas Management & Safety Control System Using Internet of Things (IoT).
	Majors / Course Work	In Pakistan, gas is a major source of fuel in homes and industries, for burning, boiling, illumination and heating purposes. Our project target design of an automatic gas valve controller which can be used for automatic gas flow control. Further the system is integrated with various sensors such as gas leakage, temperature sensor, gas pressure sensor etc. This device is also be remotely operable with the help of smart phone. One can operate, monitor and control this device remotely. Further our system can be operated through Internet from anywhere. Gas sensor, flame sensor and auto ignition made this project a compact automated controller and laptops and mobile phone also made the monitoring more easily to accessible and user friendly. All the modules can communicate with each other using Internet of Things (IoT).

Education Record:

Qualification	Institution	%age / CGPA
BS (Electronic Engineering)	International Islamic University Islamabad	3.65/4
HSSC (Pre Eng.)	Aslam Foundation Model College, Harley Street Rawalpindi.	71%
SSC	Army Public School Westridge-3 Rawalpindi.	82%

Semester Projects:

- 4-Way Traffic Light System.
- Railway Gate System.
- Voting Machine.
- Elevator System.
- Railway gate control system.
- Temperature Control Automatic Air Conditioning System.
- Designed IR receiver card.
- Designed Car parked safety Control system.
- Basic Electronics Trainers for Laboratory.
- Variable Duty Cycle and P.W.M generator.
- Smart Home Appliances using Human Voice.
- Obstacle detector using Sonars.
- Steganography.
- Green House System using IOT.
- Fighting Robots (Hobby Project).

Awards & Achievements:

- Winner of Final Year Project competition (Open House 2018).
- Organized National level event named FETEX'18 as a President of event.
- Speed Wiring Winner at BYTE.
- Speed Wiring winner in SPECTRA at IIUI.
- Head Speed wiring and Indoor-Outdoor sports in FETEX'17.
- Robot War Winner at IIUI.
- Head of Technical Events in SPECTRA'17.
- Winner of Cricket in SPECTRA'17.
- Participant in National Workshop on "Application of Robotics Technology for Industrial Development in Pakistan".
- Certified in MS Word, MS Excel, and MS Power Point.
- Secured 16% scholarship in BS on basis of CGPA.

Skills:	Skill Name	Level	Last Used
	• PLC & SCADA	Excellent	Certified Course
	• MS Office	Excellent	Currently Working
	• Visual Studio	Excellent	Currently Working
	• MATLAB	Excellent	Currently Working
	• Model Sim	Excellent	Currently Working
	• Proteus	Excellent	Currently Working
	• Circuit maker	Excellent	Currently Working
	• Pro Engineering	Excellent	Currently Working

References:	Name	Title	Phone/Email
	Engr. Dr. Suheel Abdullah Malik	HOD Electrical Engineering Department IIUI	0333-5178315/ suheel.abdullah@iiu.edu.pk
	Engr. Adeel Khan Jadoon	Assistant Professor IIUI	0300-5616575/ adeel.jadoon@iiu.edu.pk
	Engr. Tayyab Ali	Lab Engineer IIUI	0331-9544134/ tayyab.ali@iiu.edu.pk