

## PERSONAL INFORMATION

### Muhammad Bilal



📍 Street#10, Dhoke Chiragh Din, Jadoon Haveli, Marir Hasan, Rawalpindi 46000, Pakistan.

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Passport Full and Clean | PEC No. ELECTRICAL 70220

Sex Male | Date of birth 01/03/1997 | Nationality Pakistan

## PERSONAL STATEMENT

I am much gregarious and keen to work on grooming of my personality. As far as, my personality and interests are concerned, I am very much multidimensional and try many new things in my daily life. My interests vary from curricular activities like attending and arranging seminars and workshops, participating in different opportunities to a set of many extra-curricular activities.

I have participated in every opportunity about involvement in any kind of activity and very much active in social welfare activities and the practices related to my student leadership and cultural involvement programs. I have arranged many seminars and as a whole and satisfied with my academic and social record. The opportunity, I am applying for, will help me out to have a strong knowledge about advance experiences. I will contribute to the program with best of my skills and for this purpose. I will meet with all the challenge, put forth to me.

## EDUCATION AND TRAINING

### 2018 Bachelors in Science

Foundation University Rawalpindi Campus, Rawalpindi 46000, Pakistan

- **CGPA:** 3.36/4.00 **Grade:** B+
- **Relevant Coursework:** Introduction to Computing, Applied Physics, Workshop Practice, Linear Circuit Analysis, Digital Logic and Design, Electric Network Analysis and Electrical Machines
- **Honours & Awards:** Scholarship, received 3<sup>rd</sup> place in Quiz Competition, received 1<sup>st</sup> Position in SDP Final Year Project and funding form ICT and R&D Fund - Ignite
- **Clubs:** Research Head of Electrical Engineering Student Association (EESA)

### 2014 High School Education

F. G. Quaid-e-Azam, Degree College, Rawalpindi 46000, Pakistan

- **Percentage:** 73% **Grade:** B
- **Relevant Coursework:** Physics, Mathematics and Chemistry
- **Honours & Awards:** Received 2<sup>nd</sup> position in College Exams
- **Clubs:** Coordinator at College Sports Society

### 2012 Secondary School Education

F. G. Quaid-e-Azam Public Secondary School, Rawalpindi 46000, Pakistan

- **Percentage:** 85% **Grade:** A
- **Relevant Coursework:** Physics, Mathematics, Computer Science and Chemistry
- **Honours & Awards:** Two years' study scholarship from FGEI/CG Directorate, Received 2<sup>nd</sup> position in Exams
- **Clubs:** Member of Sports Society

## WORK EXPERIENCE

Aug' 2016 — Sep' 2016

### Internee Engineer

Murree Brewery

- Performed all tasks related to SCADA, PLC and Electrical Machines of modern interface and worked as a trainee engineer under the supervision of instrumental and electronic engineers

June' 2015 — Aug' 2015

### Call Centre Agent

Kareemiya Technologies

- Worked as a Call Centre Agent and performed all general duties related to handling of customers and records

June' 2014 — Oct' 2014

### Computer Operator

Leopards Courier System

- As a Data Entry Operator, I performed all data entry operations in the IT department including MS Word, Excel, Data Entry and Computer Operation

## PERSONAL SKILLS

Mother tongue(s) Urdu

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
English Proficiency Certificate					

### Communication skills

- Good communication skills gained through my experience as sales member
- English language skills became better through working as call centre agent
- Excellent written and verbal communication skills
- Confident, articulate, and professional speaking abilities through my experience
- Empathic listener and persuasive speaker
- Creative writing skills through my experience as Research Head at University's society
- Speaking in public, to groups, or via electronic media
- Excellent presentation and negotiation skills

### Organisational skills

- Leadership (responsible for a group of 5 people in Research Work)
- Ability to Work under Pressure
- Quick Decision Maker
- Good Time Management
- Self-motivation skills
- Conflict Resolution before Deadlines
- Computer and Internet Skills
- Written and Verbal Communication
- Multi-tasking

## Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user
Lucky Start Academy and Coaching Centre				

- Good command of office suite (MS Word, Excel, Power point, Coral Draw, In-page and Typing)
- Good command of diagram creation software gained as a Researcher
- Good command on Internet and searching on web for data
- Good command on Organizing and managing of projects on computer

## Other skills

- Good knowledge of all the operating systems.
- Knowledge of basics of programming languages C++
- Good knowledge of coding and database management
- Good skills in AutoCAD software, Proteus, PCB manufacturing and interfacing microcontrollers
- Good technical skills in PLC and SCADA
- Good knowledge in Wireless Sensor Networks, Internet-of-Things and WIMAX

## Driving licence

**Grade: A1**

## ADDITIONAL INFORMATION

### Publications

“A Compendium of IoT Applications and Architecture for Smart Cities (Submitted)”, “WIMAX for Smart Grid Applications, Challenges and a Reliable Communication Infrastructure (Submitted)” and “Applications of Wireless Sensor Networks for Smart World and Challenges (In-progress)”

### Presentations Projects

Programmable Logical Controller (PLC) Automated Biogas Plant  
Programmable Logical Controller (PLC) Automated Biogas Plant (Funded by Ignite - ICT R&D Fund)

### Seminars

Seminar on National Engineering Robotics Contest

### Honours and awards

Two years Scholarship from FGEI/CG Directorate, 1<sup>st</sup> prize in SDP Final year project  
Research Head at Electrical Engineering Student Association (EESA) and Global Youth Ambassador at Youth Counselling and Development Network Association (YCDNA)

### Memberships

### Courses

Basic Computer Course from Lucky Start Academy and Coaching Centre

### Certifications

Islam Quiz Competition, SAR Robomove, Speed Wiring Contest and ICSEC'17

## FINAL YEAR PROJECT

### Programmable Logic Controller (PLC) Automated Biogas Plant

This project is all about the creation of fuel gas (biogas) from waste in an oxygen free air is one of the achievable choices and could help especially in reduction of cutting of trees and dumping of waste products. The proposed bio-methanation plant will completely be controlled automatically. When the process starts, the waste material (Cow waste, and so on.) enters to the digester tank through conveyor, the level sensor checks the required level of water and waste material. Blender will begin its working to make mixture. The signal will remain on until the procedure finish and gas get store in the capacity tank and left-over material will be gathered in an independent chamber and this composite will be utilized as best manure for agriculture.

### Honours and Awards

Got funding from Ignite - National ICT R&D and Technology Fund and 1<sup>st</sup> prize in SDP Final Year Project | **Grade: A+**