



## Waqar Ahmed

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Mailing address: Comsats University, Abbottabad.

### Objective:

To venture into the professional life and practically apply my knowledge; in a highly professional environment, that best utilizes my qualifications, ability and competence. To work where my education, and experience can contribute towards achieving organizational objectives. To learn from more experienced people and give back my knowledge.

### Expertise at a glance:

- A self-motivated person with a professional education in the field of Electrical Engineering, having strong knowledge in Power System, Smart Grid, Renewable Energy sources, debugging and maintaining of digital and analog electronics ...
- Hands on experience of PCB design using professional tools.
- Strong organizational skills in a variety of situations to achieve deadlines.
- Have initiative and can work independently or as part of a team.
- Adaptable and quick to learn new skills.

### Education:

Bachelors in Electrical Engineering: [Bahauddin Zakariya University, Multan, Pakistan.](#)

#### Major courses:

**CGPA 3.63/4.00**

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|------------------------------------|--|
| – Power distribution & Utilization | -- Digital Logic Design                |
| – Electrical Power Transmission    | -- Algorithms design and analysis      |
| – Power System Protection          | -- Electrostatics and Electromagnetism |
| – Power Electronics.               | -- Electronics Circuits (I & II).      |
| – Renewable Resources of Energy    | -- Electric Machines DC & AC           |
| – Control system engineering       | -- Data Structures & Analysis          |
| – Signals and Systems              | -- Engineering Economics               |
| – Communication systems            | -- Enterprenuership                    |
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### Academic Record:

- B.Sc (Electrical Engineering (power)), Bahauddin Zakariya University, Multan, Pakistan.
  - CGPA = 3.63
- FSc. (Pre Engineering), 2011-2013 (DG Khan Board Pakistan)
  - Marks: 938/1100 (Grade A+)
- Matric (Science Group), 2009-2011 (DG Khan Board Pakistan)
  - Marks: 765/1050 (Grade A)

**Certification:** 6 week internship in NTDC ( About Power transmission and Grid system of Pakistan)

- **Internee:**
- National Transmission And Dispatch Company (NTDC) (6 weeks about Power transmission)
- Multan Electric Power Company MEPCO (3 months).

**Field Work:**

- Study tour to Radio Pakistan Transmission Office Multan.
- Study tour to Thermal Power plant Muzfar Garh.
- Study tour to AM Radio Office Pakistan.
- Visit To 500 KV & 220 KV Grid Station NTDC Multan.
- Visit To 132KV Bosan Road Grid Station, Multan.
- 1 day workshop on Microcontroller and its applications.

**Experience of Projects:**

- Design and analysis of power distribution system using Electrical Transient Analyzer Program ETAP
- Control Of Induction Motor Using PID Controller
- Power Supply (Circuit Analysis).
- Home Security alarm using RF.
- Development of Inverter.
- DC Motor Control through Parallel Port (Microcontroller Interface).

**Skills:**

**Programming:** C for uControllers, C++, Mat lab, VHDL (Verilog), Python.

**Engineering Software:** PSpice, ETAP, Matlab, MultiSim, ModelSim, AutoCAD (2D), MINDI, Proteus.

**Office Utilities:** Microsoft Office (Word, Excel, Access, PowerPoint, Visio), Adobe Photoshop

**Operating System:** Windows-98/2000/XP/Vista /windows7.

**Computer Troubleshooting:** Hardware/ software, installation and use of various utility software

**Languages:** English (spoken and written), Urdu (native), Sraiki (native)

**Nationality:** Pakistani

**Date Of Birth:** 28<sup>th</sup> Mar, 1996

**Marital status:** Single

**Domicile:** DG Khan, Punjab.

**Father Name:** Shaheen Perwaz

**CNIC#:** 32103-9860627-3

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