

# Amna Khan

Electrical Engineer (*ELECT - 83900*)

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## Objective

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*To work in an organization that offers a creative, dynamic and professional environment, where there is maximum chance of learning and growing as a proficient, innovative and committed person.*

## Education

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### University of Engineering & Technology

*M.Sc. Electrical Engineering*

Specialization: Power Engineering

Cumulative GPA: 3.73/4.0

**Lahore, Pakistan**

(2020 - Present)

### University of Engineering & Technology

*B.Sc. Electrical Engineering*

Specialization: Power Engineering

Cumulative GPA: 3.4/4.0

**Lahore, Pakistan**

(2016 - 2020)

### Punjab College for Women

*Pre-Engineering*

Cumulative Grade: 86.4%

**Faisalabad, Pakistan**

(2014 - 2016)

## Work Experience

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### 132kV Grid Station, Agriculture University, FESCO

*Internee*

**Faisalabad**

(July 2019 - August 2019)

This is one of the major grids of Faisalabad responsible for power distribution to a huge area of the city. Training here included:

- The techniques for tackling with any type of fault condition.
- Description of all types of equipment used in the grid station.
- Exercised the calculations involved in field.

### Planning Department, FESCO

*Internee*

**Faisalabad**

(June 2018 - August 2018)

Planning Dept. of FESCO is responsible for design and plan of new as well as restructuring of the existing feeders of Faisalabad. Training included:

- In Mapping Cell, made maps of feeders requiring bifurcation.
- In LT and HT Dept., worked for loss reduction in distribution lines.

## Notable Courses

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- Power System Transmission, Distribution and Utilization
- Control Systems
- Power System Analysis and Design
- Power Electronics
- Power System Protection
- High Voltage Engineering
- Smart Grids
- Advanced Power Systems
- Power Electronic Converters
- Power System Planning
- Power System Transients and Insulation Coordination

## Advance Technical Skills & Knowledge Area

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- Power World Simulator
- MATLAB
- Microsoft Word
- Microsoft Power Point
- Multisim
- Winspice
- Proteus
- Etap
- LabVIEW
- Overleaf

## Projects

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### Cascaded Switch-Ladder Multilevel Inverter

*Final Year Project 2020*

- Devised a 4913 level inverter using the Switch-Ladder technique.
- Used **MATLAB** for software simulation, **Proteus** for PCB design and **LabVIEW** for practical working of the inverter

## Language

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- **English** [Fluent]
- **Urdu** [Fluent]
- **Punjabi** [Basic]

## Non Scholastic Activities

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Chairperson of **Special Interest Group on Humanitarian Technology (SIGHT)**  
(IEEE UET LHR)

(2019-2020)

Member of <b>Education for Everyone (EFE)</b>	(2018-2020)
General Secretary of <b>Special Interest Group on Humanitarian Technology (IEEE UET LHR)</b>	(2018-2019)
Devised <b>IEEE SIGHT SMOG AWARENESS CAMPAIGN</b>	(Nov - 2019)
Devised <b>IEEE ALL PASKISTAN ELECTRICAL SYMPOSIUM</b>	(Oct - 2019)
Curated <b>IEEE SIGHT Outreach Program</b>	(Jan-Feb 2019)
IEEE UET LHR <b>Volunteer of the Month</b>	(Feb 2019)
Attended hands-on workshops on <b>Java Scrip &amp; Adobe Illustrator</b>	
<b>1<sup>st</sup> Position</b> on District level in <b>International Kangaroo Math's Contest</b>	(2015)

## Non-related References

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### **Mr. Salman Fakhar**

Lecturer

University of Engineering & Technology,

Lahore, Pakistan

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