

# Amber Raees

## Electrical Engineer

Skilled Electrical Engineer Specialized in Smart Grid System, IOT and Digital Image Processing.



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📍 Mainwali, Pakistan

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## EDUCATION

### Electrical Engineering Namal University Mianwali

09/2019 - 07/2023

Mianwali, Pakistan

#### Courses

- Smart Grid Systems.
- Digital Image Processing.
- Database Engineering.
- Internet of Things(IoT).
- Renewable Energy Systems.
- Power electronics.

## PERSONAL PROJECTS

### Final Year Project (10/2022 - 06/2023)

- **Unsymmetrical faults Detection in Three phase Transmission Lines.**
- We made a prototype in which we have detected unsymmetrical faults in three phase transmission lines.
- We have done simulation of circuit on Proteus Software.
- We have also send data from hardware to IoT cloud using NodeMCU and Arduino as Edge.

### Undergraduate Semester Projects (10/2019 - 05/2022)

- ASK Modulation and Demodulation using 555 timer
- DC-DC Buck Converter
- AutoCAD 3D Projects

## WORK EXPERIENCE

### Trainee Intern

#### Chashma Hydel Power Plant WAPDA

07/2022 - 08/2022

Mianwali, Pakistan

#### Achievements/Tasks

- Conducted a comprehensive study of power plant's equipment and processes.
- Participated in visits to all units where electricity was being generated in real time.
- Verified star and delta connection of motors.
- Developed a keen eye for detailed and ability to identify and resolve problems quickly.
- Gained valuable experience in working in a fast-paced and challenging environment.

Contact : Mr Tariq Javed, Executive Electrical engineer - +923262212544

## SKILLS

AutoCAD

MATLAB

Proteus

Circuit Design

Problem Solving

Management

Teamwork

ETAP

Circuit Analysis

Communication Skills

## ACHIEVEMENTS

### Punjab Educational Endowment Fund (PEEF) (10/2019 - Present)

Awarded with merit scholarship for my undergraduate program by Punjab Government

### Punjab Educational Endowment Fund (PEEF) (06/2012 - 06/2019)

Awarded with merit scholarship for my education from school level to Intermediate level by Punjab Government

## ORGANIZATIONS & SOCIETIES

### Voice Of Namal (11/2021 - Present)

General Secretary

### Namal Idea Club (11/2020 - 08/2021)

Human Resource Director

### Namal Society For Social Impact (10/2019 - 02/2020)

Teacher

## CERTIFICATES

### Lego Workshop-IEEE Namal Student Branch (2021)

### English Language Proficiency Course (01/2020 - 02/2022)

### Shaukat Khanam Science and Engineering Fair (11/2018 - 12/2018)

Participation Certificate at Provincial and National level & Best of category Certificate at Provincial Level

## LANGUAGES

English

Full Professional Proficiency

Urdu

Native or Bilingual Proficiency

## INTERESTS

Sports

Photography

Travelling