

# Ali Hassan

## Electrical Engineer

I am a passionate person when it comes to work. A positive creative individual with a smile. I am interested in tightening up myself to work in a challenging atmosphere to become a valuable asset. Highly motivated to work in a professional environment based on effective team work that provides me an opportunity to groom my personality as well as technical knowledge.

✉ alihassangoraya7@gmail.com

📍 Gujranwala, Pakistan

📞 +923167977075

🌐 [linkedin.com/in/ali-hassan-804585201](https://www.linkedin.com/in/ali-hassan-804585201)

## EDUCATION

### BSc. Electrical Engineering

Government College University, Lahore.

10/2018 - 06/2022

3.16/4.00

### Intermediate

KIPS College, Gujranwala.

06/2016 - 06/2018

86%

## PERSONAL PROJECTS

Enabling Industry 4.0 for equipment development to monitor a machine system

- Industry 4.0 is revolutionizing the way companies manufacture, improve and distribute their products. Manufacturers are integrating new technologies, including Internet of Things (IoT), cloud computing and analytics, AI and machine learning into their production facilities and throughout their operations.
- We developed a product that will analyze the state condition of a machine using machine learning and IoT technology.

### 8 Bit arithmetic logic unit (ALU):

- The ALU performs the simple addition, subtraction, multiplication, division and logic operations such as OR, AND, XOR, NOT.
- The memory stores the instructions and data. It performs the arithmetic and logic operations.

### Bridge Rectifier

- Lab project to construct a full wave bridge rectifier to convert full wave alternating current to direct current.

## WORK EXPERIENCE

### Internee

Pak Elektron Limited (PEL), Lahore

#### Achievements/Tasks

- I learned the manufacturing of transformers, its design procedure, wiring and its assembling.
- One of my responsibilities is in the manufacturing department to manufacture different components of a transformer and then assemble them to make a transformer.

## SKILLS

MATLAB

Multisim

Critical Thinking

Technical Knowledge

Communication Skills

Logix Pro

Complex Engineering Problem

Microsoft Office

## ORGANIZATIONS

Institute of Engineering and Technology on Campus  
GCU, Lahore.

*Event Coordinator, photography head, content writer.*

## CERTIFICATES

### Coursera

*Acquired Certificate for Solar Energy and Electrical System Design from University of Buffalo*

### Coursera

*Acquired Certificate for Electrical Power System from University of Buffalo*

## LANGUAGES

English

*Full Professional Proficiency*

Urdu

*Full Professional Proficiency*

## INTERESTS

Renewable Energy

Electrical Power System

Electrical Design System

Programmable logic controller (PLC)

Electrical Control System