



# Najam Ul Hassan Khan

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Date of birth: 13/1/2001 | **Nationality:** Pakistani | **Gender:** Male |  
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## About me:

A self motivated student having passion to learn and grow. I have aptitude and experience in Embedded System, Power Systems and Data Science and I am open for a role related to these areas. I aim to join an organization that is most likely to do for my technical expertise, career interest and a thrill getting to advancement. I have been an active social worker and I possess strong management, societal and communication skills and I am open for any work related to management with the team of experienced individuals for personal and corporate exposure and growth.

## WORK EXPERIENCE

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Mianwali, Pakistan

### POWER ENGINEERING INTERN - AGRITECH FERTILIZER LIMITED

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Worked as Power Engineer intern in Agritech Fertilizer Limited, which is one of the major fertilizer industries of Pakistan and offers internships/fellowships in many areas. I worked in Electrical department learning about power generation, distribution and protection system of the plant.

Mianwali, Pakistan

### TEACHER ASSISTANT

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Worked as Teacher Assistant with my professor in Power System Operations & Control.

## EDUCATION AND TRAINING

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2018 – 2022 – Punjab, Pakistan

### BS ELECTRICAL ENGINEERING – Namal University Mianwali

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2016 – 2018 – Punjab, Pakistan

### INTERMEDIATE (PRE-ENGINEERING) – Superior College Mianwali

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## LANGUAGE SKILLS

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Mother tongue(s): **URDU** Other

language(s): **ENGLISH**

## ● DIGITAL SKILLS

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Proteus PCB Design & Simulation | well known to MATLAB & Simulink | Languages: C, C++, Python | Pscad | Basics knowledge of working in AutoCAD | MS Office (MS Word, MS PowerPoint, MS Excel, MS)

## ● PROJECTS

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### Automated Voltage Regulating Transformer with IOT based monitoring system

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This project is aimed to design such a transformer which will provide a regulated voltage at its output through tap changing so that consumers and industries do not have to use voltage stabilizers to protect their load. Additionally, we designed an IOT based monitoring system for transformer which will send continuous data of transformer's parameters on web cloud through internet service.

### Color Tracking & Line Follower Robot

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This Robot could detect and follow a colored line drawn on a plane surface by detecting the line color through color sensor in real time and implemented it using Simulink model.

### Smoke, fire & Gas Leakage Detector

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In this project, we used different sensors from MQ series to detect number of parameters like smoke, fire, CO2, Alcohol and temperature with the help of Arduino.

### Mini Engineering Projects

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Noise Removal from Audio Signal, Design of Buck Convertor, Design of basic voltage stabilizer, Water Level Indicator, Mobile charger Design, Tic Tac Toe game in C++, Smart Door Lock, Smart Traffic Light System

## ● MANAGEMENT AND LEADERSHIP SKILLS

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### General Secretary at CESD (Center of Excellence and Skill Development)

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Worked in CESD as Event manager and later as General Secretary for 2 years and gained experience about leadership, team work management, idea creation and soft skills.

- Instructed **MS Office course** offered by CESD
- Worked as event manager in **Clay Art 2021, PCB designing Workshop, Graphic Designing Workshop, English Language proficiency Course, Scholarship opportunities Seminar, Free Lancing Course**
- Managed Online **AutoCAD Training Course** during covid-19 pandemic

### Director marketing at NRS (Namal Religious Society)

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Worked as marketing director at NRS Namal for 1 year marketing number of events in NRS and got exposure to marketing experience.

- Marketed **Spiritual Talks Series** by NRS