

## **Talha Aslam**

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### **RESEARCH INTEREST**

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To develop and implement advanced IT-integrated solutions for PLC programming, with the aim of enhancing the efficiency, reliability, and cybersecurity of industrial automation processes, while also exploring innovative ways to optimize resource utilization and reduce maintenance costs in industrial settings.

### **EXPERIENCE**

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#### **1. Internship Trainee (10<sup>th</sup> January 2022, 28<sup>th</sup> February 2022)**



#### **Prescon Engineering (Pvt) Limited, Lahore Pakistan.**

- I did 6 weeks Internship Training in Prescon. I got trained in different departments as an electrical engineer. These departments are :
  - Transformer maintenance and testing inspection (SFRA)
  - Generator maintenance and testing inspection
  - Electrical safety
  - Motor testing (MCAP L1A, B)

### **EDUCATION**

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1. BSc. Electrical Engineering (OBE Level-2)

**University of Poonch, Rawalakot Azad Kashmir (2019-2023)**

2. HSSC (Pre-Engineering)

**Narowal (2017-2019)**

3. SSC (Science)

**Unique Boys Higher Secondary School Shakargarh (NAROWAL) (2015-2017)**

### **CERTIFICATIONS**

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- Protector Certificate: Scholarship Hunting, Skill Development & Use of Power System Tools
- Scholarship Hunting, Skill Development & Use of Power System Tools
- Certificate of Safety in the Utility Industry
- Certificate of AI For Everyone

- Certificate of Electric Power Systems

## **SKILLS**

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- C++/C
- MATLAB
- MPLABX
- PLC Ladder & FBD Logic
- Microsoft Office
- AutoCAD
- Proteus
- PSSE
- Arduino
- Management Skill
- Good Communication
- Leadership Skill

## **FINAL YEAR PROJECT**

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- **Designing Encrypted Data Co-Processor Using Partial Homomorphic Encryption**

## **PROJECTS**

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- Cellphone Jammer up to 4G signals.
- Password based Door Lock System using Microcontroller.
- Design/Simulation and Implementation of 12V UPS with 1.1KV/A Load.
- Audio Amplifier using transistors and transducers.
- Traffic light control system using Gates with TTL logic.
- Single phase to Three Phase converter at 220V.
- Designing 3D Fan on AutoCAD.
- Implementation of Wireless Power System (WPT).