

Muhammad Abdullah Khalid
Mechatronics Engineer, NUST 2025

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WORK EXPERIENCE

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| Sheikhoo Group Trainee Engineer – Instrumentation and Control Department | Muzaffargarh, Punjab Sept 2025 – Present |
| <ul style="list-style-type: none">Assisted in Commissioning and Termination of Sciyon DCS at 40Tph BoilerUse of Function Block Diagram for programming and HMI developmentReading and understanding of Documentations like P&IDs, Hookup drawings, IO lists, and control philosophySupported control panel wiring, I/O cold testing and commissioningAssisted in site operations and troubleshootingAssisted in calibration and testing of instruments (transmitters, electric & pneumatic valves, dampers) | |
| National Centre of Robotics and Automation Research Intern | Islamabad Jul 2024 – Aug 2024 |
| Touchstone Solutions Mechanical Engineering Intern | Lahore, Punjab Jul 2023 - Sep 2023 |

EDUCATION

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| National University of Science & Technology Mechatronics Engineering | Islamabad Nov 2021 – Jun 2025 |
| Government College University Lahore F.sc (pre-engineering) | Lahore, Punjab Sept 2019 - Jun 2021 |
| Muslim Model High School Matric – Computer Science | Sheikhupura, Punjab Aug 2017 – Mar 2019 |

PROJECTS

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| Instrumentation and Control work of 40TPH Dual Fuel Boiler: |
| <ul style="list-style-type: none">Features: Sciyon DCS, Function Block Diagram, HMI, RTDs, Thermocouples, Flow transmitters, Level transmitters, Dampers actuators, Control valves, Pneumatic valve, SOVs, MOVs |
| 4-Way Traffic Light Control System: |
| <ul style="list-style-type: none">Features: Rslogix 5000, Timers, Logic building, Simulation |
| <i>For more projects visit portfolio website: https://mabdullahk.github.io/</i> |

VOLUNTEER WORK

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| Robotics & Automation Club, NUST CEME Volunteer & Technical Head | Islamabad Jun 2022 – Jun 2024 |
| National Engineering and Robotics Contest (NERC) Director Graphics | Islamabad February 2023- July 2023 |

CERTIFICATIONS

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| Master PLC Programming – Allison Course | C++ Programming Language – Solo Learn |
| Fusion 360: Design for Mechatronics - LinkedIn Learning | 2-Day UR-5 Collaborative Robot Workshop, NCRA |

SKILLS

PLC Programming – Ladder Logic, Function Block Diagram | NI Labview – HMI Designing | DCS – Termination and Commissioning | CAD – SolidWorks, AutoCAD, Fusion360 | Programming language - C++, Python

ACHIEVEMENTS

- Secured the top spot at the EME Hackathon 2023 in Idea video category by fabricating a prototype for smart glasses using Arduino nano.
- Conceptualized and organized a gaming competition, managing a team of 5 members, attracted 50+ participants, contributing to a heightened sense of community engagement.
- Recognized as one of the top 10 high-impact contributors as Lead Media and Communications in Robot and Automation Club.