



JUNAID AMAN

3rd Position (BRONZE MEDALIST)
(Electronic Engineer)



Majors Subjects:

Power Electronics | Industrial Electronics
| Control System | Electrical Machine |
Instrumentation | VLSI | FPGA

CNIC: 42201-9310807-3

Nationality: Pakistani

Permanent Address: H-25 KDA Colony Block 18 Gulshan Iqbal Karachi.

Preferred Industry: Electrical | Electronics | Power | Control & Automation

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PROFESSIONAL SUMMARY

I would describe myself as a hard-working, motivated and challenge loving person with working experience in office environments and having great knowledge of Industrial Control & Automation, Embedded System. I have worked on different brands of PLC such as Delta/Siemens/Xinje. I interfaced & calibrated different Sensors such as Temperature, Flow, Proximity with PLC, I used to of using different HMI with PLC and also good in PCB Designing, Troubleshooting of PLC & HMI panel, I worked on SCADA & DCS System in Power Generation Dept. of Lucky Cement Ltd., I controlled the Servo Drives and Inverters from Delta PLC in Electro Dynamic Work Ltd.

I am flexible, quick to pick up new skills and eager to learn from others.

AREA OF INTEREST

- ❖ Industrial Control & Automation
- ❖ Instrumentation
- ❖ Circuit Designing
- ❖ Power Generation
- ❖ Panel & Switchgear Designing

CERTIFICATES

Received Appreciation award after serving 2 month in Creek General Hospital for saving mankind & humanity

Achieved 3rd Position, Bronze Medal and Merit Scholarships in Electronic Engineering

Academic Qualification

• BS (Electronic Engineering)

Sir Syed University of Engineering & Technology

3.61 CGPA 2014-2018

• Intermediate (Pre-Engineering)

SRE Majeed Boys & Girls Govt. Degree College

70% 2011-2013

• Matriculation (Science)

Seedling Public School

81.17% 2011

Work Experience

Feb 2018 – Present

Electrical / Electronic Engineer

MRA SOLUTIONS, E&I Dept., Pakistan



Job Role & Outcomes:

- Designed PLC & HMI based hydrogen gas generating system from distilled water for saving diesel fuel of Gensets
- Installed & Interfaced Differential fuel flow meters, Energy meters & current transformers with Delta & Siemens PLC using Modbus 485 protocol
- Designed remotely monitoring and collecting data of Gensets using Delta PLC and Wecon HMI
- Interfaced DC Shunt and Thermocouple Module with PLC
- Designed HMI screens with data logs and global access features
- Remotely recorded data of PLC & Wecon HMI using 4G

Jul 2017 – Aug 2017

Internee Engineer

SUPARCO, GNSS Division, Pakistan



Job Role & Outcomes:

- Monitored & Analyzed different satellite signals & Worked on various GPS
- Used various software like RTK POST, RTK NAVI & MATLAB

Jan 2017 – Feb 2017

Internee Engineer

Electro Dynamic Work, Automation Dept., Pakistan



Job Role & Outcomes:

- Performed Analog & Digital Programming plus Hardware in Delta PLC
- Interface various Easy View HMI with different series of Delta PLC
- Calibrated & Used different Sensors like Flow, Temperature & Proximity

Jul 2016 – Aug 2016

Internee Engineer

Lucky Cement Ltd., Power Generation Dept., Pakistan



Job Role & Outcomes:

- I worked with Field Engineers in Power Plant
- I got to know about the working of different Generators & Motors
- Operated & understands the phenomena of SCADA & DCS System
- Used & Troubleshoot HMI, PLC Hardware & Electronic Cards

Technical Project

- **PLC Based Colour Making System (Final Year Project):**
- In our FYP we used Raspberry Pi for Image Processing
- We did Modbus Communication between PLC and Raspberry Pi
- Installed current Transformers and Kilo Watt Transducer for measuring Genset Loads
- Designed PLC & HMI based remotely access and monitoring of Power Plant data
- Installed & Interfaced Various branded Diesel Fuel meter and control valve with Siemens & Delta PLC

Skills

Technical Skills:

Technical Tools: MATLAB, Multisim, Proteus, Wplsoft, Dopsoft, Sigma QC

Programming Languages: C, C++, Assembly, JAVA, Python

Electronic Boards: Commands on Raspberry Pi, Arduino, PLC, HMI, Servo Drives, Inverters, GPS Receivers, Signal Monitoring

Personal Skills:

Effective Communication | Good Problem Solving

Skills |

Logical skills| Interpersonal abilities | Teamwork

Skills |

Language Proficiency:

- Fluent in English and Urdu (native language)

Accomplishment:

- Received merit based scholarship throughout the semesters.
- Received 2nd position in Circuit Designing Competition.
- Received appreciation from the Creek General Hospital.