

# SAAD BIN ARIF

## Mechatronics & Control Engineer

To accomplish a promising position in an esteemed organization in order to contribute and assist in achieving organizational objectives to the best of my knowledge and ability, with team spirit and thereby grow in the organization with integrity and sheer hard work.



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## EDUCATION

### B.Sc. (Mechatronics & Control Engineering) 2012-2016

University of Engineering & Technology, Lahore.

- CGPA: 3.376/4.0

### Intermediate (Pre-Engineering) 2012

Punjab College of Sciences, Lahore.

### Matriculation (Science) 2010

Crescent Model Higher Secondary School, Shadman Lahore.

## WORK EXPERIENCE

### Nestlé (Sheikhupura Factory) Sep 2017-Present

Project Engineer (Electrical & Automation)

Key Responsibilities:

- Scheduling , Ordering, Execution and Handing over of Project
- Development of URS and Generation of RFQs and BOQs
- Preparing & finalizing project feasibility for existing facility expansions and new set up
- Verification of existing P&IDs with the installed equipment at plant and upgradation as per requirement
- Technical evaluation of quotations submitted by vendors and finalizing the vendor for each project
- Carrying out financial close out of projects and ensuring optimum utilization of project budgets in SAP
- Devising road map for succession planning and ensuring delegation of responsibilities to the staff
- Ensuring safe work practices at site in compliance with the organizational safety policy
- Liaison with all the project stake holders like Production, Maintenance & Procurement for ensuring smooth and desirable project execution

Projects:

- Dry Mixing Powder Plant (700 MPKR)
- Duplex Filler Machine Cereal (150 MPKR)
- Packing Lines Automation (400 MPKR)
- Platinum Project Egron (66 MPKR)

### Pepsi-Cola Lahore (Riaz Bottlers) July 2016-Sep 2017

Shift Engineer (Electrical & Instrumentation)

Key Responsibilities:

- Led a team of junior engineers and instrument technicians
- Handled modification and breakdowns in running unit
- Ensured timely work order generation, acknowledgment and closure in ERP
- Corrective, Predictive and Preventive maintenance of production machinery & equipments
- Planned workforce on production lines according to requirement and train them related to machines
- Developed and Implemented solutions for engineering problems related to manufacturing equipment
- Implementation of the safety precautions to avoid any human life lose or damage to both human and machines during maintenance and troubleshooting

## ACHIEVEMENTS

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- 13,000\$ saved annually by the Automation of Air Knife system for Glass and PET bottles lines at Pepsi
- 17% cost reduction by assisting manager in HVAC Volume Reduction project at Packages Ltd.
- Appointed Intern Team Leader based on outstanding performance as an Intern at Packages Ltd.
- Volunteered and Nominated Project Leader for technical projects at university

## INTERNSHIPS

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### Packages limited

June - July 2015

Internship at Consumer Product department

- Implementation of TPM and 5S
- Suggested improvement in the process to increase bulkiness of Party Pack Tissue
- Standardized the machine settings to remove the problem of flap sealing of tissue boxes

### Coca-Cola Beverages Pakistan Limited

Aug-Sep2014

Internship at Supply Chain department

- Data standardization of all Coca Cola plants
- Assignment on ASEBI (Empty bottle inspector) Multan plant RGB line
- Report on Manufacturing processes of RGB and PET bottles of Lahore plant

## ACADEMIC PROJECTS

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### Final Year Project

**Delta Pick and Place Robot:** Industries are always looking to increase production rates and reduce footprint; Delta Robots are great tools for those demands. The goal of our project was to create a Robot that could pick and place items accurately at high speed.

### Semester Projects:

- Line Follower Robot
- Automatic switching of lights
- Speech to Text App development
- Security system of Home
- RGB Color Detector
- Inverted Pendulum

## SKILLS & COMPETENCIES

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### Technical:

- Working Experience at Tetra Pak Juice line, KRONES Glass and PET Bottle lines, KHS PET Bottle lines, Gericke Powder processing lines, Wolf Filling lines, Prodec and Langen Packing lines
- Hands on experience on TIA Portal, Simatic Manager, RSLogix 5000, SAP and ERP
- PLC Programming, HMI development & Fault diagnosis of Siemens & Allen Bradley PLCs
- Troubleshooting of faults occurring at PROFIBUS, ASI and CAN communication protocols
- Troubleshooting of induction /servo motor defects and motion drives of Power Flex, Danfoss, SEW & ACOPOS
- Installation and troubleshooting of Digital (proximity) and Analog (Flow, Temp, Level, Pressure) sensors
- Control panels operational checking as per electrical drawings
- Annual shutdown maintenance experience of Beverage and Powder Plants

### Personality:

- Leadership
- Project Management
- Problem Solving
- Focused and Dedicated

## INTERESTS

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- Reading
- Computer Games
- Travelling
- Advancement in technology