



MUHAMMAD TAHIR

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📍 Abbas colony BT#1 Bahawalpur

EDUCATION

(DAE) Electronics
GCT College Bahawalpur
2013 - 2016

Matric
Abbasia Higher secondary scholl
2011 - 2013

Cisco Certified (CCNA)
— In Progress

SKILLS

- Project Management
- Teamwork
- Time Management
- Leadership
- Communication Skills

About Me

I am a Associate Engineer With a strong foundation in system engineering and Networking .With 3 Years of experience as a System Engineer. I have developed expertise in managing, configuring optimizing various IT system, ensuring their smooth efficient operation. My experience also extends to 1 year in networking, Where I have honed my skills in network setup, troubleshooting and maintenance, including working with both hardware and software components to ensure reliable connectivity and performance.

WORK EXPERIENCE

(IT Consultant)

(One Network M1,M3,M4 M5,M16 Motorway & Ring road Lahore) | (Duration, 4years.7m. 2025- Present)

◆ Networking & IT Infrastructure

- Network configuration and troubleshooting (LAN/WAN).
- Switches & routers configuration, VLANs, trunking, port security.
- Network & wireless infrastructure installation, testing and support.
- Network monitoring, data traffic checking, and performance optimization.
- Desktop systems, OS installation, drivers, and hardware services.
- IT support, user assistance, and system maintenance

◆ CCTV & Security Systems

- CCTV installation, configuration, monitoring & maintenance.
- IP cameras, NVR/DVR setup, remote viewing & network integration.
- Video tolling system setup and troubleshooting.
- ANPR camera setup, IR sensors, speed radar & ITS system support.
- Safe City project experience including camera and network deployment

◆ ELV (Extra Low Voltage) Systems

- Access control system installation & configuration.
- Biometric attendance machines (ZKTeco etc.) installation & support.

LANGUAGE

- English
- Urdu
- Punjabi
- Saraiki

HOBBIES

- RECITE HOLY QURAN
- READING BOOKS
- SPORTS (CRICKET)

REFERENCES

- ·Will be furnished on demand.

- Gate barriers, turnstiles, flap barriers installation & servicing.
- Magnetic locks, alarm systems, motion sensors, RFID interfaces.
- Automatic sliding doors, rolling shutters, rising bollards setup.
- Calibration of sensors, motors, RFID, biometric & remote-control interfaces

◆ **Fiber Optics & Low-Voltage Systems**

- Fiber splicing, OTDR testing, and fiber troubleshooting.
- Low voltage communication systems installation and support.
- Data voice intercom system installation & maintenance.

◆ **Home Automation & BMS**

- Smart home automation system installation & troubleshooting.
- BMS (Building Management System) device integration & maintenance.

◆ **Power & Solar Systems**

- Inverter installation & maintenance.
- MPPT controller troubleshooting & repairing.
- Basic power wiring & low-voltage power systems handling.

Senior Technician

Suraj Fertilizer Pvt. Ltd. | (Duration, 1years., 2020-21 – Past)

◆ **DCS (Distributed Control System):**

- Hands-on experience in monitoring, calibration, and troubleshooting of process automation systems ensuring continuous plant operation and system reliability.

◆ **PLC (Programmable Logic Controller):**

- Skilled in installation, programming, and fault diagnostics of PLC-based automation systems (Siemens, Allen-Bradley, Delta, etc.).

◆ **VFD (Variable Frequency Drive):**

- Proficient in configuring and maintaining VFDs for motor speed control, energy efficiency, and protection against overloads.

◆ **Soft Starter Systems:**

- Experienced in setup and maintenance of soft starter panels to ensure smooth motor starting, reducing mechanical stress and current surge.

◆ **Transmitter Devices:**

- Knowledge of calibration and maintenance of field transmitters for pressure, temperature, and flow measurement in process plants.

◆ **Telephone Exchange Systems (PABX/VOIP):**

- Capable of installation, configuration, and troubleshooting of analog/digital and IP-based telephone systems.

◆ **CCTV Surveillance Systems:**

- Installation, configuration, and maintenance of IP and analog CCTV systems including DVR/NVR setup and remote monitoring integration.

◆ **Bagging Machine Automation:**

- Experience in maintenance and repair of automated bagging and packaging machines, including sensors, motors, and control panels.

◆ **General Electrical & Electronic Maintenance:**

- Strong ability to repair, service, and maintain electrical panels, wiring, sensors, and control circuits to ensure safe and reliable operation.

Technician

Atlas Engineering Co. | 2018 – 2020 (2 Years)

- **PLC / HMI Systems:** Installation, and troubleshooting of industrial automation systems.
- **Motherboards & Power Supply Units:** Diagnosis, component-level repair, and preventive maintenance.
- **Display Boards:** Fault detection, testing, and replacement of electronic display modules.
- **Level Alarm & Scully Ground Systems:** Installation, configuration, and fault rectification of safety and grounding systems.
- **Gauge Calibration: Testing,** calibration, and verification of different types of industrial gauges.
- **General Electrical & Electronic Maintenance:** Routine servicing, repair, and performance optimization of control panels and equipment.

AWARAD

Final Year Project: Ultrasonic Blind Stick

- **Overview:** Designed and developed an Ultrasonic Blind Stick to assist visually impaired individuals in detecting obstacles through distance-sensing technology.
- **Technology Used:** Ultrasonic sensors, microcontroller buzzer, and vibration motor for real-time feedback and user alerts.
- **Functionality:** The system detects obstacles within range and provides audio and vibration alerts to guide the user safely and prevent collisions.