SHIVANSHU MISHRA

INDUSTRIAL AUTOMATION ENGINEER

CONTACT

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✉ shivanshu51@gmail.com

📍 Vill- Bahornagla,
Nawabganj
Bareilly (U.P)
262406

SKILLS

- Auto Cad
- Electrical Design
- PLC Programming
- CNC Programming
- SCADA
- HMI Design
- Servo Drive & Motor
- VFD Drive
- VB.Net & SQL Server Basic
- Python Basic

ABOUT ME

I hold Myself and each team Member accountable for Demonstrating Leadership Principle through our actions everyday in which few are

- Customer obsession
- Ownership
- Invent & Simplify
- Learn & be curious
- Hire & develop the best.
- Insist on the highest standards.
- Frugality
- Earn Trust
- Deliver result

WORK EXPERIENCE

05th Oct 2013

27th Feb 2015

PLC Programmer
Nectar Automation and Systems

Add.- Shri Ram Plaza 3rd floor, 16 Civil Lines Near IIT, Roorkee-247667

02nd March 2015

15th July 2017

Sr. PLC Programmer

Mask Automation

Add. – 2nd Floor, Lal Building, Kotana Road Baraut, Baghpat, Uttar Pradesh-250611

17th July 2017

31th July 2020

Control Manager

Uncease Automation Pvt. Ltd.

Add. – Murad Nagar, Sybly Industrial Area, Meerut Road

03rd Aug 2020

To Till date

Reliability Maintenance Engineer

Amazon Transport Service Pvt. Ltd.

EDUCATION

2009

B. Tech in Electronics & Instrumentation

2013

Uttar Pradesh Technical University

Objective:

To use my knowledge gained through education and industrial experience for maximizing my output for the company which would serve as a starting point for more challenging responsibilities.

Summary:

- **9 Years 4 Month Experience** in **PLC PROGRAMMING & LOGIC MAKING (MITSUBISHI, OMRON, ROCKWELL, BECKHOFF & DELTA WITH COMMUNICATION & NETWORKING, TESTING OF PLC PANEL, FACILITY Department, Taking care of overall Facility & Admin activities.**

- Experience in various PLC of MITSUBISHI like **FX SERIES (1N,2N,3U,3G,5U) & Q SERIES (Q00, Q03UDV), SERVO AMPLIFIER (MR-JE, MR-J2S-A,MR-J2S-B) , OMRON (CP1E, CJ2M), SERVO AMPLIFIER OMNUC G5 SERIES, ALLEN BRADLEY Control Logix, Compact Logix, MICROLOGIX (1000,1500), DELTA DVP (ES, SS, ES2, SS2),SERVO AMPLIFIER ASDA-A2 SERIES,ASDA-B2 SERIES.**

- Experience in the erection and commissioning of the Process Automation Control Panels & Instruments for the Process Plants.

- **SCADA: Factory Talk View SE Edition RSView32 Applications & Development AND VIJEO CITECT V7.1.**

- **HMI:MITSUBISHI[GOT2000(GT2710-VTWD,GT2710-STBA),GOT1000(---),GS SERIES(GS2710-WTBD)], OMRON (NB7W-TW01B, NB7W-TW10B,NB5Q-TW01B,NB3Q-TW01B), DELTA HMI DOP B SERIES(B07S201,B07S411,B07S211)** Creating Applications, Downloading/ Uploading Program ,Communication with PLC HMI.

- **Knowledge of Control & Panel Design**: Working experience in PLC Panel Testing, fault Finding, Relays, Thermal Overload Relays, Contactors, MCB, MCCB, ACB.

- Enthusiastic, Self-confident, Self-motivated and good Team Player.

- Quick Learner, Very Adaptive and Flexible to any work Environment.

Work Experience:

- **Total Experience is 9 Years 4 Month till date.**

- Worked as a **PLC Programmer** with **NECTAR AUTOMATION & SYSTEMS (Add: Shri Ram Plaza 3rd floor, 16 Civil Lines Near IIT, Roorkee-247667)** from5thOct' 2013 to 27th February 2015.

- Worked as a **Senior PLC Programmer** with **MASK Automation (Add: 2nd Floor, Lal Building, Kotana Road Baraut, Baghpat, Uttar Pradesh-250611)** from **2nd March 2015** to **15 July 2017.**

- Worked as a **Control Manager** with **UNCEASE AUTOMATION Private Limited (Add: Murad Nagar, Sybly Industrial Area, Meerut Road)** from **17 July 2017** to 31 July 2020.

- Currently working as a **Reliability Maintenance Engineer** with **AMAZON** from **03 August 2020** to till date.

<div style="background:#ccc">Responsibilities:</div>

INDUSTRIAL AUTOMATION AND CONTROL

- **PLC(MITSUBISHI,OMRON,ALLEN BRADLEY & DELTA) programming Software MITSHUBISHI(GX WORKS 2&3, GX DEVLOPER, MR CONFIGURATOR), OMRON (CX PROGRAMMER), ALLEN BRADLEY(STUDIO 5000), DELTA(WPLSOFT).**

- **HMI SOFTWARE (MITSUBISHI,OMRON,ALLEN BRADLEY & DELTA) programming Software MITSUBISHI(GT DESIGNER 3) , OMRON (NB DESIGNER), ALLEN BRADLEY(FACTORY TALK VIEW STUDIO), DELTA(DOPSOFT).**

- **Testing** of control panel according to the **PLC logic**, **Control & Power Circuit Diagram**.

- **SCADA Development in Factory talk View SE Edition, RSVIEW32 & VIJEO CITECT (V7.1) Schneider**

- Parameter feeding & Fault finding of various instruments.

- **Preparation of IO list, datasheets, Cable Scheduling.**

- **Commissioning and service testing of Projects in site area of Process Automation.**

<div style="background:#ccc">PERSONAL CORE COMPETENCY:</div>

1) **COMPUTER SKILLS: -** Learned (AUTO CAD, M.S OFFICE, WORD, MS EXCEL, AND POWER POINT).

2) **Visual Basic (VB.Net) and SQL Server Basic Programming Knowledge.**

3) **Basic Programming Knowledge of Python**.

4) **PLC PROGRAMING AND COMMUNICATION:-** Worked on
   - **Mitsubishi :** FX Series PLC (2N,3U,5U), Q Series PLC (Q00,Q03UDV), R Series PLC (R04 CPU), Mitsubishi 1000 series HMI, Mitsubishi 2000 series HMI, Mitsubishi GS Series HMI

   - **OMRON :** CP1E PLC, CP2E PLC, CP1L PLC

   - **Rockwell PLC :** Allen Bradley (Control Logix L72), Allen Bradley (Compact Logix L30ER), Allen Bradley (Compact Logix L18ER), Allen Bradley (Compact Logix L310ER), Allen Bradley (Micro 800 PLC)

- **Beckhoff PLC**

- **Delta PLCs**

- **Siemens PLCs**

- **Industrial Communications :** CC LINK Communication, Modbus Communication, Ethernet Communication, Modbus TCP/IP Communication, Profibus Communication, Profinet Communication, RS-232 Communication, RS-485 Communication, Fiber Optics Communication, ETHERCAT Communication

5) **CNC PROGRAMING:-** Worked on
   - Fanuc Oi MATE –TB
   - Fanuc Oi MATE –TF
   - Fanuc Oi MATE –TD

Projects:-

- **AMAZON (DEL 5), Bilaspur, Haryana (Completed)**
  PROJECT NAME – Sorting and Parcel Transfer Conveyors.

- **AMAZON (HYD 8), Shamshabad, Hyderabad (Completed)**
  PROJECT NAME – Sorting and Parcel Transfer Conveyors.

- **AMAZON (NCRU), NOIDA (Completed)**
  PROJECT NAME – Sorting and Parcel Transfer Conveyors

- **TATA MOTORS PRIVATE LIMITED, CAR PLANT, PUNE,MAHARASTRA (Completed)**

  PROJECT NAME – WHEEL STORAGE & TRANSFER SYSTEMS.
  DISCRIPTION - Design and configuration of the system and PLC PANEL as per the need. Complete PLC & HMI Programming, including cable schedule and I/O Assignment. In **This Project Wheel Store Through Wheel Gantry in Defined Chute Structure according to QR Code & Wheel Transfer as per requirement of IPMS Data to main Line. Communication between PLC and VBDot Net through RsLinx Classic OPC Server.**
  PLC - Control Logix5572 1756-L72
  HMI – Panel View Plus 7
  VFD – Power Flex 525
  TEAM SIZE – 8

- **TATA MOTORS PRIVATE LIMITED, CAR PLANT, PUNE,MAHARASTRA (Completed)**

  PROJECT NAME – WHEEL GANTRY
  DISCRIPTION - Design and configuration of the system and PLC PANEL as per the need. Complete PLC & HMI Programming, including cable schedule and I/O Assignment. **In This Project Wheel Store Through Wheel Gantry in Defined Chute Structure according to QR Code & Wheel Transfer as per requirement of IPMS Data to main Line. Communication between FANUC Controller and VB.Net through Focus Library.**
  Fanuc Controller – OI-TB & OI-TF
  TEAM SIZE – 8

- **TATA MOTORS PRIVATE LIMITED, CAR PLANT, PUNE,MAHARASTRA (Completed)**

  PROJECT NAME – TYRE STORAGE & TRANSFER SYSTEMS.
  DISCRIPTION - Design and configuration of the system and PLC PANEL as per the need. Complete PLC & HMI Programming and some Basic Programming of Fanuc Controller (OI-TB), including cable schedule and I/O Assignment. **In This Project Tyre Store through Tyre Gantry in Defined Tyre Structure Tripod according to Model Selection Through HMI and Tyre Transfer Through IPMS Call . Communication between Fanuc controller and VB Dot Net through Focus Library.**
  PLC - Control Logix5572 1756-L72
  HMI – Panel View Plus 7
  Fanuc Controller – OI-TB
  TEAM SIZE – 8

- **TATA MOTORS PRIVATE LIMITED, CAR PLANT, PUNE,MAHARASTRA (Completed)**

  PROJECT NAME – COCKPIT (IP) MANIPULATOR.
  DISCRIPTION - Design and configuration of the system and PLC PANEL as per the need. Complete PLC & HMI Programming, including cable schedule and I/O Assignment. **In This Project Cockpit Inserted in Car Chassis and Manipulator Load Selected According to Cockpit Model. For Cockpit Model Confirmation Data is taken From TML Server to PLC through AENTR Card.**
  PLC - Compact Logix 1769-L33ER
  HMI – Panel View 800
  TEAM SIZE – 8

- **TOYOTA KIRLOSKAR MOTOR , BENGALORE KARNATKA (Completed)**

  PROJECT NAME – RAIL GUIDED ENGINE LIFTING TABLE.
  DISCRIPTION - Design and configuration of the system and PLC PANEL as per the need. Complete PLC & HMI Programming, including cable schedule and I/O Assignment. **In This Project Engine assembled at scissor lifting table and assembled in Car Chassis. Communication between Car Chassis Lifter and PLC through Phoenix WIFI Input and output Module Signals.**
  PLC – QO1U
  HMI – GOT2000 (2310-VTBA)
  TEAM SIZE – 4

- **SONA BLW , GURUGRAM, HARYANA (Completed)**

  PROJECT NAME – DIFFERENTIAL CASE HOUSING ASSEMBLEY LINE
  DISCRIPTION - Design and configuration of the system and PLC PANEL as per the need. Complete PLC & HMI Programming, including cable schedule and I/O Assignment. **In This Project Differential Case Housing Assembly Done With the Help of Some Special Purpose Machine like (Pin Press and Load Test SPM, Radial Backless Testing Machine, Bolt Tightening and Torque Testing SPM and Tare Torque and Backless Testing Machine.**
  COMMUNICATION – Modbus TCP/IP (QJ71MT91), MX OPC SERVER, VBDOT NET, CC-LINK (QJ61BT11N)
  PLC – QO3UDE
  HMI – GS2107
  TEAM SIZE – 5

- **MARUTI SUZUKI INDIA LIMITED, IMT MANESAR, HARYANA (Completed)**

  PROJECT NAME – CNG MANIPULATOR LINE A
  DISCRIPTION - Design and configuration of the system and PLC PANEL as per the need. Complete   PLC & HMI Programming, including cable schedule and I/O Assignment.
  PLC – QO3UDV
  HMI – GOT2000 (GT2110-VTBA)
  TEAM SIZE – 4

- **MARUTI SUZUKI INDIA LIMITED, IMT MANESAR, HARYANA (Completed)**

  PROJECT NAME – SEAT LOADING MANIPULATOR.
  DISCRIPTION - Design and configuration of the system and PLC PANEL as per the need. Complete   PLC & HMI Programming, including cable schedule and I/O Assignment.
  PLC – QO3UDV
  HMI – GOT2000 (GT2110-VTBA)
  TEAM SIZE – 4

- **MARUTI SUZUKI INDIA LIMITED, IMT MANESAR, HARYANA (Completed)**

  PROJECT NAME – CNG MANIPULATOR LINE B
  DISCRIPTION - Design and configuration of the system and PLC PANEL as per the need. Complete   PLC & HMI Programming, including cable schedule and I/O Assignment.
  PLC – QO3UDV
  HMI – GOT2000 (GT2110-VTBA)
  TEAM SIZE – 4

- **MARUTI SUZUKI INDIA LIMITED, IMT MANESAR, HARYANA (Completed)**

  PROJECT NAME – WHEEL TRANSFER SYSTEM
  DISCRIPTION - Design and configuration of the system and PLC PANEL as per the need. Complete   PLC & HMI Programming, including cable schedule and I/O Assignment.
  PLC – QO3UDV
  HMI – GOT2000 (GT2110-VTBA)
  TEAM SIZE – 7

- **TOYOTA KIRLOSKAR MOTOR , BENGALORE KARNATKA (Completed)**

  PROJECT NAME – FRAME SEATING AND SHORTING SYSTEM.
  DISCRIPTION - Design and configuration of the system and PLC PANEL as per the need. Complete   PLC & HMI Programming, including cable schedule and I/O Assignment.
  PLC – QO1U
  HMI – GOT1000 (GT16)
  TEAM SIZE – 5

- **SUZUKI MOTOR GUJRAT (SMG), HANSALPUR, BECHRAJI, GUJRAT (Completed)**

  PROJECT NAME – WHEEL STORAGE AND WHEEL TRANSFER SYSTEM
  DISCRIPTION - Design and configuration of the system and PLC PANEL as per the need. Complete   PLC & HMI Programming, including cable schedule and I/O Assignment.

COMMUNICATION – RJ61BT11, R60AD4
PLC – R04CPU
HMI – GOT2000 (GT2710-VTBA)
TEAM SIZE – 4

- **SUZUKI MOTOR GUJRAT (SMG), HANSALPUR, BECHRAJI, GUJRAT (Completed)**

    PROJECT NAME – TYRE LOADING MANIPULATOR
    DISCRIPTION - Design and configuration of the system and PLC PANEL as per the need.
    Complete   PLC & HMI Programming, including cable schedule and I/O Assignment.
    COMMUNICATION – RJ61BT11, R60AD4
    PLC – R04CPU
    HMI – GOT2000 (GT2710-VTBA)
    TEAM SIZE – 4

- **TATA MOTORS WAREHOUSE, SANTOSH NAGAR, PUNE, MAHARASTRA (Completed)**

    PROJECT NAME – AUTO SORTING AND PACKING SYSTEM
    DISCRIPTION - Design and configuration of the system and PLC PANEL as per the need.
    Complete   PLC & HMI Programming, including cable schedule and I/O Assignment.
    COMMUNICATION – QJ61BT11N, VBDOT NET, MX OPC SERVER
    PLC – Q03UDV
    HMI – GOT2000 (GT2710-VTBA**)**
    TEAM SIZE – 4

- **MOTHERSON, IMT MANESAR (Completed)**

    PROJECTNAME - . **AIR LEAKAGE TESTING MACHINE.**
    DESCCRIPTION - Design and configuration of the system and PLC PANEL as per the
    need. Complete PLC, PLC & HMI Programming, including cable schedule and I/O
    Assignment. Commissioning Of PLC. Purpose of Air leak testing device data received
    Through RS-232 Port & SHOW All Data on HMI.FX 5U PLC, GS2107-wtbd HMI
    (Mitsubishi) & FX5-232ADP Card Used.
    TEAM SIZE -3

- **HINDUSTAN AERONOTICS LIMITED, AMETHI (Completed)**

    PROJECTNAME - COOLING & HEATING CHAMBERS.
    Design and configuration of the system and PLC PANEL as per the need. Complete PLC,
    HMI & Scada Programming, including cable schedule and I/O Assignment.
    Commissioning Of PLC. Purpose of **Vijeo Citect SCADA** is for DATA **LOGGING and
    TREND GRAPH**.
    TEAM SIZE -7

Education:

- **Bachelor of Engineering** in **Electronics & Instrumentation** From **Uttar Pradesh**

Technical University (U.P.T.U.),Lucknow during 2009-2013 with 67.04% from
INVERTIS INSTITUTE OF ENGINEERING & MANAGEMENT, BAREILLY, Uttar Pradesh.

- **10TH** from UP Board with 56.50% in 2007.
- **12TH** from UP Board with 67.80% in 2009.

Personal Details:

- **Name:** Shivanshu Mishra.
- **Father's name:** Mr.Yogendra Mishra.
- **Date of birth:** 24th Feb, 1993.
- **Status:** Married.
- **Languages known:** Hindi & English.
- **Permanent address:** Village-Bahornagla, P.O.- Nawabganj,Tehsil- Nawabganj, District- Bareilly (U.P.).

Declaration:

I declare that all the details furnished above are correct and best of my belief

and knowledge.

Date:
Place: **Shivanshu Mishra**