
Vaibhav Karnawat

Date of Birth : 1st October, 1991

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Permanent Address: "Karnawat Niwas",
Mahavir society, Nanded-431602 (MH), INDIA

Carrier Objective

Intending to work as an Instrumentation engineer in a dynamic organization and be an integral part of growth oriented company to utilize and grow my analytical, research and technical skills.

Professional Experience

Company Name: Binani 3B fiberglass Company

Location: Goa

Designation: Senior Instrumentation Engineer

Duration: 15th July 2016 to Present

Activities performed:

- Maintenance and calibration of all field instruments, transmitters, final control elements in Furnace, Batch plant, Oxygen plant, Compressor house, DG, HVAC, WTP, ETP areas.
- PLC programming & troubleshooting for AB Micrologix 1400, Compactlogix L32E, Siemens S7 300 PLC systems using RS Logix 500 & 5000, FT View, TIA portal and Simatic Manager.
- Implementing process control using various control strategies through FOXBORO DCS.
- Block creation, Alarm and Trends generation in Foxboro DCS and Wonderware systems.
- Scheduling & executing Preventive, Breakdown, Planned and Predictive maintenance activities.
- Preparation & revision of P&ID, termination & Hookup diagrams.
- Instrument procurement activities like vendor interaction, technical evaluation, Purchase order preparation, instrument inspection.
- Implementing Improved Work Processes by following PDCA, 5S methodologies.
- Designing and modification in AB Panel View 800 HMI using CCW software.
- Problem Detection and root cause analysis by CAPA, KAIZEN, 5Why standards.

Company Name: Thermax Ltd.

Location: Pune, Maharashtra

Designation: Instrumentation Engineer (Erection & Commissioning)

Duration: 1st Aug 2013 to 3rd Aug 2014

Projects Handled:

1. **BIOENERGEN FROM CANTEEN WASTE:** Biogas plant capacity of consuming 500Kg of canteen waste and producing 45cub.m of biogas along with bio-fertilizer daily is successfully erected and commissioned.

Client: MIT Pune

Activities performed: Erection and commissioning of instruments Air compressor, solenoid valves, solar panels, piping, pressure regulators, moisture traps, automatic fire igniter, flow transmitter, grinder and mixer.

2. **SEWAGE TREATMENT PLANT MBR TECHNOLOGY:** The fully automated sewage treatment plant of 300K Lit/day capacity with MBR technology is erected and commissioned.

Client: Cummins Pune

Activities performed: Erection and commissioning of PLC panel, Submersible pumps, Agitator, Proximity switches, pneumatic valves, air blowers, air compressors, air dryer, pressure regulator, ACF, DMF, UV, Transmitters (Flow, Level, Pressure), ejectors, etc.

Skills & Certification

- **PLC & SCADA:** AB Micrologix 1400, Siemens S7 300, HMI, DCS (Foxboro), PID Tuning.
- **Softwares:** TIA portal, RS Logix 500/5000, Simatic Manager, Factory Talk View, Connected Components Workbench, LabVIEW, Wonderware, AB Powerflex Drives, Siemens Drives.
- **Communication Protocol:** HART, Profibus, Modbus RTU & TCP/IP, Foundation Field Bus, RS232, RS 485.
- Knowledgeable in interpreting P&ID, Termination Drawing.
- Prolific “PLC Siemens S7 300 and AB Micrologix 1400” certified course completion
- In plant training on “Plant Automation and Field Instrumentation ” at Rashtriya Chemical Fertilizers Ltd, Mumbai

Educational Record

Degree	Institution	Board	Year	Specialization	Percentage / CGPA
SSC	Peoples High school Nanded	Maharashtra Board	2006-07		91.69
HSC	Yeshwant College Nanded	Maharashtra Board	2008-09	Science (Electronics)	90.67
B.Tech	SGGSIE&T Nanded	SRTM University Nanded	2009-13	Instrumentation	7.84
M.Tech	College of Engineering Pune	Pune University	2014-16	Process Instrumentation	8.27

Awards/Achievements

- **Gold medal** from Nanded Municipal Corporation for Meritorious performance in SSC
- **Merit Student award** and **Gold medal** in HSC from Chief Minister of Maharashtra state.
- **All India Rank 250** in GATE (Instrumentation Engineering)

Acknowledgement

I hereby declare that all the statements made in this resume are true, complete and correct to the best of my knowledge and belief.

Vaibhav Karnawat