

## OBJECTIVE:

To secure a challenging position in a reputable organization to expand my learnings, knowledge and skills, while making a significant contribution to the success of the company.

## ACADEMIC BACKGROUND:

2018	<b>B.E INSTRUMENTATION AND CONTROL ENGINEERING</b> Saranathan College of Engineering, Tiruchirapalli.	7.152 (CGPA)
2014	<b>HIGHER SECONDARY CERTIFICATE</b> Ramakrishna Higher Secondary School, Tirupattur.	80.58%
2012	<b>SECONDARY SCHOOL LEAVING CERTIFICATE</b> Vishamangalam Higher Secondary School, Tirupattur.	80.2%

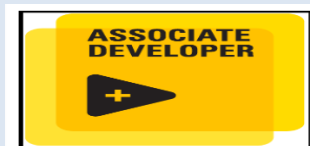
## PROFESSIONAL EXPERIENCE:

### Detailed & Design Engineering Activity Includes Following:

- Preparation of Instrument index sheet.
- Preparation of Instrument I/O list.
- Preparation of instrument process data sheet (IPDS) from process inputs.
- Preparation of Instrument datasheet for temperature, pressure, flow and level instruments.
- Preparation of JB schedule, Cable schedule.
- Preparation of cable tray layout.
- Generating interconnection diagrams & loop diagrams.
- Wiring in INtools using Circuit Diagrams and I/O list.
- Specifications, Design of Instruments & calculations in INtools.
- Generating instrument loop diagrams for Conventional and Foundation field bus (FF) using Enhanced smart loop in INtools.
- Preparation of Hook-ups Diagram, termination details of field Instruments with INtools & Excel.
- **CONTROL SYSTEM ENGINEER – Knovation Engineering Trading LLC, Abu Dhabi** – Joined in October 2021, currently working.
- **Experience: 4.6 years**

# JAIGANESH L

## Instrumentation & Control Engineer




### ABOUT ME

**Date of Birth:** April 15, 1997


**Father's name:** Loganathan C

**Mother's name:** Sumathi L

**Languages known:** English & Hindi (conversational), Tamil (native)

 Al Madina SuperMarket, Building-10, Shabiya-11, Abu Dhabi, UAE.

Native: Anganathavalasai (Village & post), Tirupattur (T. k & D.t), Pincode – 635601, TN, India.

 (+91)-9585362099  
(+971)-0507161801

 [jaiganesh15ice@gmail.com](mailto:jaiganesh15ice@gmail.com)

### PERSONAL SKILLS

- Team Work
- Quick Learner
- Attentive Listening
- Adaptivity
- Hardworking

### AREA OF INTEREST

- Transducer engineering
- Process control
- Industrial Instrumentation (I & II)

- Document preparation of IO list Instrument's, Motor and Valve list taken from P&ID and BOM Preparation. PLC programming (SIEMENS Step 7 & TIA Portal), SCADA.
- Screen Designing in TIA Portal, AUTO CAD Electrical Designing of System Architecture and General Arrangement and Control Panel Wiring drawing.
- **INSTRUMENTATION ENGINEER - Autosys Control System India Pvt Ltd, Chennai** - Joined in November 2018 to July 2021.
- Document preparation of Instruments, Cables and PLC datasheet, IO list and IO assignment. Instrument, Motor and Valve list taken from P&ID. PLC programming (AB PLC), SCADA Screen Designing, Daily Report Generation, CAD Electrical wiring basic. FAT and PLC panel testing.
- **"15 MLD Sewage Treatment Plant"** Pali, Rajasthan- Erection and commissioning PLC Panel, Instrument, LCP panels, Junction box and LPBS Installation and PLC Panel Commissioning.
- **"HAP Hatsun Agro products Ltd"**,Chennai. Instrument installation and PLC panel commissioning. AB Compact logix PLC to AB Micrologix PLC communication.
- **"Birla Carbon India Pvt Ltd"**, Gumidipoondi Chennai. WTP Plant, Daily Report Generation of Flowmeter, Level Transmeter and Analyser values are stored in Excel.
- **"Ferring Parmaceuticals"**, Turkapally Hyderabad. WTP Plant commissioning, PLC programming of UF and RO Auto logic done and HMI screen developed. Instruments are checking and scaling done. AB PLC data read in DCS through RS 485 communication done.
- **"Banjusara Multi Villages Rural Water Supply Schme"**, Badamalhera, Madya Pradesh. Raw Water Pump House, Clear Water Pump House, Intermediate Booster Pumping Station- I & II commissioning, PLC programming of Auto logic developed and Testing completed. SCADA screen developed for all the pump house. HMI screen developed for CWPS and RWPS pump house. Instruments are checking and scaling done. Daily Report Generation of Flowmeter, Level Transmeter and Analyser values are stored in Excel.

## **TECHNICAL SKILLS:**

- ENGINEERING SOFTWARE SKILLS Instrumentation Design Tools (INtools)  
Intergraph, Smart Plant Instrumentation (SPI)  
(Version 12.0)

- PRACTITIONER
  - SIEMENS PLC Programming Step 7 and TIA Portal, SCADA Screen & HMI Designing – TIA Portal.
  - AB PLC Programming RS Logix 5000, Studio 5000 & RS Logix 500 Software, SCADA Screen & HMI Designing - Factory Talk View Software, Panel View HMI Designing Software – Connected Components Workbench.
  - GE PLC Programming Software – PAC Machine Edition.
  - GE SCADA Designing Software – Cimplicity Software.
  - RENU HMI Designing Software –FlexiSoft software.
  - CAD Electrical wiring Basic, LabVIEW – Core 1 & Core 2, Matlab
- INTERMEDIATE
  - C, C++, JAVA

### **PROJECTS:**

- **MINI PROJECT** “Automatic Temperature control fan using Arduino”
- **MAIN PROJECT** “Automatic Liquid Mixing and Filling using PLC”

### **CERTIFICATIONS:**

- LABVIEW Core-I & Core- II Training - National Instruments, Bangalore.
- CLAD (Certified LabVIEW Associate Developer)
- C, C++, PYTHON Certified Spoken Tutorial -IIT Bombay
- PLC & SCADA Work Shop Attended (Certified by PROLIFIC).

### **CO-CURRICULAR ACTIVITIES:**

- Attended a workshop covering **PLC & SCADA** conducted on 27<sup>th</sup> – 29<sup>th</sup> Nov 2017 by **Prolific Systems & Technologies Pvt Ltd.**
- Presented a research paper titled “**Automatic Liquid Mixing and Filling Using PLC**” in the **2018 IEEE International Conference** on Current Trends towards Conveying Technologies organized by SVS College of Engineering, Coimbatore.
- Participated and presented a project in the **National Conference** on “**Cutting edge technologies in electrical, communication and soft computing techniques**” held on 9<sup>th</sup> Mar 2018 in Saranathan College of Engineering, Tiruchirapalli.

### **EXTRA-CURRICULAR ACTIVITIES:**

- Attended a **Foundation Program** under the aegis of the **Infosys Campus Connect Program** at Saranathan College of Engineering, Tiruchirapalli.
- Participated in “**Kauvery Heart city Trichy Marathon**” held on 27<sup>th</sup> Sep 2015.

- Participated in “**Intra-Department Fest in Association with ICERX**” conducted by Saranathan College of Engineering, Tiruchirapalli in the event of Instro-Mania 2K16 on 8<sup>th</sup> Oct 2016.
- Active participant in **Ball badminton** sports event conducted by Saranathan College of Engineering, Tiruchirapalli.

**DATE:**

**PLACE:**

**(JAIGANESH L)**