

SAIRAM A J



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Objective:

Responsible and self-motivated Control & Automation Engineer from electrical domain seeking for an opportunity to explore the potential and get moulded as per industry fulfilment

Education:

Master of Technology in Control and Automation Engineering- MTech Batch 2018-2020

Vellore Institute of technology, VIT University

CGPA: 8.74 in 2019

Bachelor of Engineering in Electrical and Electronics Engineering- BE Batch 2014-2018

Sri Venkateshwara College of Engineering (SVCE), Affiliated by Anna University

CGPA: 7.4

Higher Secondary School Details- 12th standard Batch 2013-2014

Velammal matriculation higher secondary school, Tamilnadu state board

Cumulative %: 92.91%

Secondary School Details- 10th standard Batch 2011-2012

SBOA School and junior college, CBSE board

CGPA: 9.0

Awards / Paper published (IEEE/ISA International Conferences) :

- Optimal Control Logic for a Cost-effective Light Intensity Dependent Headlamp Enhanced by Internet of Things (IEEE)
- Validation of Wearable Sensors and RFID for Real time Monitoring of Cattle Farming using Internet of Things (IEEE)
- Advanced Engineering Solution for an Ammonium Phosphate Plant using Yokogawa Distributed Control System (ISA)

Technical Skills:

- Working as a **Project trainee (DCS) in Yokogawa India Limited**
- In plant training at BSNL, Chennai.
- Industrial Training at Austria Microsystems Semiconductor Pvt Ltd as a Test Engineer in Hyderabad
- Internship at Netmagic solutions (An NTT communication company) in Bangalore
- Internship at Pepperl & Fuchs Manufacturing (India) private limited
- Certified Automation Engineer from Technocrat Automations

Software Skills:

- **CENTUM VP (Yokogawa Distributed Control System software)**
- PLC programming- Siemens, Allen Bradley
- C programming language
- AUTOCAD 2D | AUTOCAD ELECTRICAL
- MATLAB SIMULINK 2017

Management Skill:

- President in Association of Electrical & Electronics Engineer (AEEE), SVCE 2018
- General secretary In Association of Electrical & Electronics Engineer (AEEE), SVCE 2017.
- Member of Engineers Without Borders (EWB), SVCE.

Work Experience:

- A) Currently working as a **Project trainee in Yokogawa India Limited for MAADEN AMP III PROJECT**
- Identification of Typical (Template) in Piping and Instrumentation Diagram
 - Knowledge and experience on generation of simple loops in Yokogawa DCS Controllers.
 - Supported in loop generation and complex loop debugging.
 - Involved and supported in typical logics generation and smart part logic verification in DCS Controllers.
 - Hands on experience in Yokogawa's ADS Mass editor tool for tag name replace for this project.
 - Theoretical and practical experience in Profibus, Modbus, Foundation Field devices-based card configurations and devices.
 - Responsible for generation of graphics object library (Link parts).
 - Responsible for DCS graphics generation, verification and modification as per Piping and Instrumentation Diagram(P&ID)
 - Responsible for Dynamic check and debugging for DCS graphics as per AMP III (Ammonium Phosphate) process.
 - Responsible for Cause and Effects graphics verification and modification as per Cause and Effects matrix document.
 - Responsible for debugging CAE graphics with respect to Interlock logic diagram as per SIS interlocks for this project
 - Interfacing subsystem packages with Distributed Control Systems Software.
 - Ability to read P&ID, Control Narratives, Cause and effects, Interlock Logic Diagram (ILD), I/O list Database at ease.
 - Troubleshooting and clarifications with FAT team members with customers.
- B) **Support Distributed Control System (DCS) Engineer for SHELL VITTO & WHALE PROJECT**
- Analysing whale control narratives with Vitto narratives
 - Checking Vitto DCS logics with Whale control narrative
 - Analysing percentage of similarity between Whale & Vitto project
 - Generation, Verification and Modification of Whale graphics

Projects:

- Execution of Gantry crane movement control using Siemens S7-1200 PLC.
- Execution of robot movement control using Siemens S7-1200 PLC with Industrial Internet of Things (IIoT) using e-Won Routers (Flexy 205).
- Validation of Wearable Sensors and RFID for Real time Monitoring of Cattle Farming using Internet of Things.
- Optimal Control Logic for a Cost-effective Light Intensity Dependent Headlamp Enhanced by Internet of Things.
- Aural surveillance system using Arduino board (Sensors Based)- Mini Project in 2015

Area of strength:

- Distributed Control Systems / Safety Control Systems
- PLC programming
- Understanding Piping and Instrumentation Diagram, Interlock Logic Diagram, Cause and Effects matrix document.
- Industrial process Automation
- Smart sensors | Industrial Internet of Things (IIoT).

Personal Skills:

Quick learner | Dynamic thinker | Good leadership trait | Smart Planning, Monitoring and Control of Process

Personal Details:

Name	:	Sairam A J
Father Name	:	Jayakumar A P
Date of birth	:	10/03/1997
Passport No.	:	P0499035; Valid up to: 2026
Languages known	:	English, Tamil, Telugu



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