**ADITHYA**

**E-mail:** **adithya.380701@2freemail.com**

**Seeking assignments in Automation Engineering, Control system and Project Management with a growth oriented organization which recognizes & utilizes my true potential while nurturing my analytical and technical skills.**

**Professional Experience**

* Dynamic professional with over 8 years of experience in the Process control Automation and Building Management System (BMS).
* Gained comprehensive knowledge on Rockwell Automation software’s & Allen Bradly products.
* Experience in PLC programming and SCADA/HMI development/modification according to client’s requirement.
* 3 years of experience in Team management & Automation training.
* Insightful knowledge of Industrial Protocols like Ethernet /IP,Modbus RTU, RS-485,RS-232,Device Net& DNP3.
* Self-motivated, hardworking and goal-oriented with a high degree of flexibility, creativity, resourcefulness, commitment and optimism.
* Possess excellent communication and interpersonal traits with a talent for problem solving through reasoned thought processes.

**TechnicalExperienceills**

PLC : Allen Bradly PLC: MicroLogix, SLC, Compact Logix, Control Logix / LS (LG) PLC: XGB.

 Schneider RTU SCADAPack 300 series.

 InventiaMobicon PLC: MT-151 LED.

SCADA : Rockwell Automation: Factory Talk view Studio - Graphics, Trends, Reports, Alarm Management and Related Operations / Schneider :Clear SCADA

HMI : Allen Bradly HMI: Panel view Component, Panel view Plus / LS (LG) HMI: XP Builder /

 Magelis GTU series HMI :Vijeo Designer 6.1 / Weintek HMI: Easybuilder pro

VFD : Allen Bradly VFD: Power Flex 40/70/525/753& LS (LG) VFD: IC5, IG5A

 Schneider Altivar 600 series VFD

MMC : Motor Management Controller: Schneider Tesyst Controller

 LTMR08MFM, LTMR27MFM & LTMR100MFM – SoMove software

Communication & Networks : Ethernet /IP,Modbus RS-485/232, Device Net and DNP3.

Programming Software’s : Allen Bradly PLC: RSLogix 5, RSLogix 500, RSLogix 5000& LS (LG) PLC: XG5000.

 Configurator &Isagraph RTU programming, MT Manager (MTM)

Development Software’s : Rockwell Automation SCADA/HMI: Factory Talk view Studio (Site edition & Machine

 edition) / LS (LG) HMI: XP Builder / ClearSCADA / EasyBuilder pro

Designing Software’s : AutoCAD, Eplan electric P8

**CareerExperience**

**ACTION INTERNATIONAL SERVICES**

**Working as Automation & Control Engineer since Nov’16 – Till date**

**Roles & Responsibilities**

* Research & Development of Telemetry System.
* Configuration, programming & testing of Telemetry Pump Control panel.
* Production planning & Technical support.
* Site visit & commissioning of Telemetry panels and field devices.
* Training to site electricians, operators & Engineers.
* SCADA Monitoring & Controlling the system.

**STARTEH – C3 Automation**

**Worked as Project Manager since Sept’15 –Oct’16**

**Roles & Responsibilities**

* Understand the customer requirements, Project planning & execution.
* Sales & Marketing of Automation products.
* Technical & Commercial Quotation preparation.
* Customer meeting & follow-ups.
* Project management & execution at site with the Engineers.
* Technical support to the customers.

**Perfect Technologies & Automations, Bangalore**

**Worked as Sr. AutomationEngineer sinceSept’14 – Aug’15**

**Roles & Responsibilities**

* PLC programming & SCADA development.
* Testing & commissioning at site.
* Team management and Training to new joiners.

**CECO Electronics Pvt.Ltd, Bangalore**

**Worked as Application EngineerfromNov’13-Sept’14**

**Roles & Responsibilities**

* Customer meetings & Technical support.
* Coordinating with the Manager for proper execution of the work.
* PLC programming & HMI development.
* Support for the product selling.
* Testing & commissioning at site.

**I-Logicon Control Automation Pvt.Ltd, Bangalore**

**Worked as Project Engineer from Apr’10-Oct’13**

**Roles & Responsibilities**

* PLC programming & SCADA/HMI development.
* Understand the system Requirement, Testing, Troubleshooting and Commissioning at site.
* Project documentation & backup maintenance.
* Coordinating with the team members for proper execution of the work.
* Reporting to Project Manager about project status.
* R&D for interfacing with third party devices and faulty PLC/HMI from site.

**Significant Highlights**

* Successfully executed more than 30+ DG Automation (BMS) projects in South Indian metropolitan cities.
* Actively conductedPLC, SCADA, HMI& VFD training at FTI (a Central Govt.Institute) and received appreciation mail from Deputy Director.
* With a very good customer relationship able to bring a HT control Panel order worth of 54 lakhs and got appreciation from Technical & Marketing team.
* As a Project guide for 7 BE students and 3 MTech students during their Internship tenure.
* A personal appreciation from Project Manager for in time completion of many projects.

**KeyProjects Executed**

**Project Title : Expolink 2020, De-Watering system**

**Client : RTA , Dubai**

**Period : Mar’17-till now**

Accountabilities :

* Objective of the work is to pump the underground water and make the site ready for the excavation.
* There are 24 deep holes are made with depth of 40 meters and 7.5KW submersible pumps are placed in all the deep holes.
* All the pumps are controlled through Telemetry panels HMI. Pumps are protected from Motor Management Controller, if any of these fault occurs - Over current, under current, thermal fault, phase loss, phase imbalance, ground fault etcautomaticallyMMC will trip the pumps from further damage.
* We can monitor pumps parameters, trip details, water flow totalizer, flow rate, Diesel level & water level measurement through capacitive sensor & Piezometers.
* Locally &remotely we can monitor the overall system through HMI & SCADA.

**Project Title : Dubai Canal, Water pumping system**

**Client : RTA , Dubai**

**Period : Apr’16-Jun’16**

Accountabilities :

* Objective of the work is to pump the stagnant water in Business bay canal location to Jumeria Water mixing basin, after water is purified discharged to sea.
* Remote monitoring and Control of the pumps.
* Controlling of pumps through VFD ( range 60KW to 130KW)
* CitectSCADA is used for the remote monitoring and control of the pumps.
* Magelis HMI used for local operation of the VFD and monitoring of Pump parameters.
* Total flow of water is measured through flow meters; flow data is measured through Modbus communication and shown in the HMI &CitectSCADA.
* Remotely pumps are controlled from Jumeria site control room through smart connect application.

**Project Title : Building Management System**

**Client : Chalhoub Group, JAFZA, Dubai**

**Period : Feb’16-Mar’16**

Accountabilities :

* Monitoring and Control of the Submerged & Firefighting pumps.
* SCADA system for monitoring of the complete BMS system.
* Temperature control of the chiller units from SCADA system.
* Alarming system for all the utilities fault.

**Project Title : Installation & Calibration of Instruments**

**Client : Reichhold , JAFZA, Dubai**

**Period : Nov’15-Jan’16**

Accountabilities :

* Installation & Commissioning of various types of Instruments in the Chemical plant.
* Instrument includes Temperature transmitter,Pressuretransmitter,Leveltransmitter,Ultrasonic sensors.
* All the Instruments are configured and tested.
* All the Instruments cabling and data reading is done.

**Project Title : Remote Monitoring System (RMS)**

**Client : BMRCL& Schindler, Bangalore,India**

**Period : Aug’13-Dec’13**

Accountabilities :

* RMS for 6 Metro stations (MGroad,Trinity,Ulsoor,Indiranagar,OMR & Byappanahalli )
* Commissioning support for the start-up.
* PLC programming is done for controlling domestic water pumps & Firefighting water pumps in the main Water control room. SCADA is done for monitoring and controlling of the system with Alarms and trends generation.
* PLC programming & SCADA is done for monitoring the critical alarms of the Schindler’s elevator operation.
* Establishment of Modbus RTU Communication between AB PLC and Schneider Conserve EM6400 MFM. Displayed SLD of the EB & DG power distribution,all the electrical parameters, status of the incoming & outgoing ACB’s, Trends and alarms in SCADA.

**Project Title : DG Automation, 3 x 2260 KVA (BMS)**

**Client : Mico Bosch, Bangalore, India**

**Period : Sept’13-Oct’13**

Accountabilities :

* Supported and guide the customer for PLC & Software selection.
* Carried out Project/System engineering, Logic development, testing & commissioning.
* PLC programming is done for Auto control of the all DG operations and distribution of power to utilities.
* Establishment of Modbus Communication between PLC, MFM, GCU & DCU.
* SCADA is developed for monitoring the entire operation, all the Electrical parameters, Alarms and Trends.

**Project Title : SCADA Control system for Hydropower station(3MW).**

**Client : Deogad, Ratnagiri dist,Maharastra, India**

**Period : Jul’10**

Accountabilities :

* SCADA screens are developed for monitoring and controlling of the power plant, it consist of various screens to show process, real time parameter values,trends,alarm history and few controlling option.
* For PLC programming coordinated with the programmer for his assistance and support.
* Pre-commissioning and commissioning support for the project.
* Electrical control panel drawing is done using AutoCAD &Eplan software for PLC,Synchronizing,LTAC,LAVT,NGT,NGR, Transformer breaker control panels.

**Project Title : Vacuum Drain System**

**Client : Johnson & Johnson, Baddi, Himachal Prdesh, India**

**Period : Feb’15**

Accountabilities :

* Carried out System engineering, Programming, testing & commissioning.
* Program is developed for Auto & semi auto control of the Vacuum Drain System.
* HMI screens are developed for monitoring the system status; CM & EM start/stop controlling and alarm indication.

**Project Title : Turbine control system for Distillery plant.**

**Client : Bannari Amman Distillery Group, Erode, TN, India**

**Period : Feb’12**

Accountabilities :

* Carried out System engineering, Programming, HMI development, testing & commissioning.
* Program is developed for controlling the valves of steam turbine, scaling the various analogue inputs parameters, Main and Vent output valve is controlled through PID.
* Panel view plus 1000 is used as a HMI, for this HMI screens are developed for monitoring the entire process and option given for assigning some numerical inputs,Alarm history and Trends to show various analogue parameters.
* In this project Steam turbine is used to generate power for few utilities in distillery plant. Incremental encoder is used to count the number of pulses for RPM.

**Project Title : DG Automation, 6 x 1500 KVA**

**Client : Samsung ElectronicsPvt.Ltd, Sri Perambur,TN, India**

**Period : Jan’13-Feb’13**

Accountabilities :

* Carried out Project/System engineering, Logic development, testing & commissioning.
* If power fails DG has to start automatically by considering all the safety precautions, DG Synchronization and NIC control is done using MicroLogix PLC & GCU (Generator Control Unit).
* Energy monitoring through Conserve EM6400, which are communicated to MicroLogixthrough Modbus Protocol.
* Panel view Plus600 is used as HMI and SCADA screens are developed for monitoring the DG & EB status, various electrical parameters, Alarm history, parameter Trends and semi auto control system.

**Project Title : Conveying system for Sponge Iron Division (SID) in Steal plant**

**Client : BMM,Hospet,Karnataka, India**

**Period : Mar’13**

Accountabilities :

* Carried out System engineering, Programming, HMI development, testing & commissioning.
* Program is developed for auto controlling of the dome valve and convey valve based on dome seal pressure,vessel pressure & conveying air pressure status.
* Auto changeover of next conveyor system is done.
* SCADA screens are developed for monitoring the system status, numeric entry for various timers, system start/stop controlling and alarm indication.
* Responsible for creating alarms, trends and reports of HMI.

**Project Title : Energy Management System (EMS)**

**Client : Toyota Techno Park India Pvt.Ltd, Bangalore, India**

**Period : Oct’14**

Accountabilities :

* Supported and guide the customer for PLC & Software selection.
* Suggested to implement the EMS for their utilities.
* Automatic changeover of AC Breakers is done with DG automation.
* HMI screens are developed for monitoring the system status, electrical parameters, trends and alarm indication.

**Project Title : Press Automation for Eye needle**

**Client : Shah Eye care Hospital, Davangere, India**

**Period : Oct’13**

Accountabilities :

* Understanding the system Requirement, Program Developing, Testing, Troubleshooting and Commissioning.
* Pneumatic valve,level sensors & servo motors are used in this project, Program is developed for controlling the Press operation of the machine to get desired size of the eye needle.
* In this auto loading and unloading of the needle is done for complete cycle of operation.

**Education**

* **MTech :Instrumentation & Control**from KSOU (Mukthagangaotri, Mysore) in 2015.
* **BE :Electronics & Communication** from East Point College of Engineering & Technology (VTU) in 2009.
* **PUC : PCMB** from Department of Pre – University Education in 2004
* **SSLC :**FromKarnataka Secondary Education Examination Board in 2002

**Personal Vitae**

Date of Birth : 7thFebruary 1987

Language Known : Kannada,English &Hindi,