RAMESH GEERU

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CAREER OBJECTIVE:

To step into an organization where I can explore my skills, enhance my knowledge, learn new things, improve personally and professionally and to make my best contribution to achieve organizational goal by putting all my efforts and by working with loyalty.

EXPERIENCE: 7 Years 8 Months

SENIOR ENGINEER, APSSDC (2019-WORKING)

I am working in **Apssdc**. as a **Senior Engineer**, from July 2019 in the field of Industrial Automation for commissioning control systems, troubleshooting the issues and resolving them On Siemens products TIA V15,14,13, SIMATIC WinCC Flexible 2008, SIMATIC WinCC Basic, WinCC Comfort, WinCC Rt professional V13, V15

Experience on Below Devices

- Siemens PLC: s7 200, 300, 1200, 1500series. TIA Portal, Step7 Professional
- Siemens: HMI ktp, Comfort Panels.
- Scada: Wincc professional., Wonderware: Intouch
- Servo Drive, G120 series drives & DCM drive
- Siemens process instruments level sensors (lr250, probe lu, cls200), Pressure sensors (P300, Pdsiii) flow sensors (Mass 6000, Mag 5000, Fus060, Temperature sensors (Rtd-Pt1000, Pt100 transmitter th300) J, K-type thermocouple
- Pcs7 micro box, s7-400(410 smart)
- Abb robot: IRC5 backups online offline programming using FlexPendant, robot studio
- Kuka robot: KRC4 backups online offline programming using teach pendent, kuka sim pro

working on Automatic Storage Retrieval System (From 20th August)

- Plc 1214c,
- Tp 900 hmi Panel,
- Wincc RT Advanced
- Siemens Sinamics v90
- a). 400w, INC, WOB, PN Drive, 15M cable, with connector.
- b). 750w, INC, WOB, PN Drive, 15M cable, with connector.

TECHNICAL SERVICE ENGINEER, DESIGNTECH SYSTEM LTD. (2016-2019):

I have worked in **Designtech System Ltd**. as a **Technical Service Engineer** in the field of Industrial Automation for commissioning control systems, experience in PLC Code and Visualization (SCADA & HMI) Development and Installation of Control Solutions in TIA Platform

- Installation, Commissioning, Programming & Testing of Siemens PLC Controllers and Field Transmitters
- Measuring, Interpreting and Analyzing Electrical, Electro-Mechanical and Pneumatic devices for efficient operation.
- Worked on Development of SCADA & HMI Graphics Environment Using (WinCC Professional/Advanced/Flexible)- Object Dynamic Characterization, Alarms& Events, Trends, Recipes, Faceplates, Smart Client Access and User Management.
- Carrying out an analysis or fact-finding regarding the functioning and viability of the Modular Mechatronics System (MMS&MAPS)
- Commissioning and Parametrization of Siemens AC & DC Drives (G110, G120,6RA80), Soft Starters with PLC communication for remote operations
- Installation and Maintenance of Siemens Power and Control Components (Switch Gears). Parametrization of SMART Field Instruments (TH300, LR250. CLS200, LU PROBE, FC MASS 6000, MAG 5000, MASS 2100, FUS060, SONO 3300, SIPART PS2 POSITIONER)

Using designer tools to define delightful, animated, user-facing SCADA screens, so that information is shown correct, easy to read and find. Using required configuration tools to configure IO points to interface with field controllers.

COMMUNICATION WITH FIELD DEVICES

- PLC G120 DRIVE with HMI, and PAC 4200.
- HMI as IOP to DRIVE, PLC with Mobile through Wi-Fi.
- PLC Read data of PI Instruments with FDC157 DP/PA Coupler.
- I Have programming skill like communicating PLC to PLC, like 1200 to 300 to 1500

MECHATRONICS CONCEPT DESIGNER

Designing Automation plant in Mechatronics Concept Designer (MCD) with NX designer communicating (s7 314c2 PN/DP) PLC with help of OPC server (Kepserver, OPC scout) for virtual commissioning. Familiar with Arduino controller programming Uno, Mega

- Arduino Uno and S 7 1200 Plc Modbus communication for RFID Technology Security System.
- IOT Using Arduino Uno Siemens S7 PLC

Project: Packing Machine
Roles: Team Member
Responsibilities:
- Objective - Implemented an Automation system with 1214c AC/DC/Relay controller and TP700 HMI
- Developed PLC program for Automation sequence.
- Interfaced TIA Software PLC with TP700 HMI, and Runtime software.
- Platform – Windows/Tools –TIA PORTAL (Step7 Professional, Wincc Professional) Ladder Logic

Project: Automation of Hydraulic Cylinder Operation
Roles: Team Member
Responsibilities:
- Objective- Hydraulic cylinder operation using sensors and solenoids with 1214c AC/DC/DC controller And KTP600 HMI
- Developed Ladder Logic.
- Platform – Windows/Tools –TIA PORTAL (Step7 Professional, Wincc Professional) Ladder Logic

Project: Commissioning and Programming of VFDs
Roles: Programmer
Responsibilities:

- Objective – Implemented wiring schematics and parameterization of Sinamics (G120)
- Implemented wiring schematics and parameterization Drive for Splitting machine.
- Commissioning and programming to the Process

SERVICE ENGINEER, STABILITY AUTOMATION. (2013-2016):

I have worked in **Stability automation**. as a **Service Engineer** for 3 years in the field of Industrial Automation with a sound knowledge in the areas of PLC, SCADA programming, HMI networking, Drive Installation and Field Commissioning.

PROJECTS INVOLVED:

- **SOLAR PROJECT, Panjagutta, Hyderabad – Pullareddy sweets.**

As an automation team, we have done the entire Solar Design, PLC Programming. Apart from this, I have involved in Panel Designing Drive Installations and commissioning. It has 14 I/O's consisting of DI, DO, AI and Modbus. We have used, Proxy Sensors, Thermo Couple k-Type, 2 Encoders PLC Fx-Series Fx_3U-Cpu.

- **CONVEYOUR PROJECT, Ram Nagar, Hyderabad – Glass Factory.**

I undertake the responsibility of Lead Engineer in this project. We have about 42 I/O's in this project.4 Photo Electronic Sensors, 2 Encoders, 4 Thermo Couples (K-Type), 5 Drives .The major activity in the site is Run 4 Conveyor Belt (Units), In unit 1 (Enter Conveyor) they will put glass sheets to arrange them to Enter before second unit (Heater Unit), In this unit heating of Glass will be done by coils at 700 degrees, after that will be(Cooled in Unit) 3 By using Blowers, After that it will be Sent To Next unit 4(Exit Unit).To Detect Glass In Each unit we kept Sensors at last of Each Conveyor.

- **PROCESS MODIFICATION, DR REDDYS, Bachupally, Hyderabad.**

I Used to Go DR Roddy's Laboratory Pvt Ltd to Do Changes in Coating Machines, Fluid Bed Driers like Adding More Process Cycles as per their requirement. And adding Print Signals

- **Experience on Mitsubishi, Allen Bradley, ABB.**

NATURE OF WORKS HANDLED AND RESPONSIBILITIES:

- Responsible for providing assistance to procurement / sub-contracts / project control as & when required.
- Responsible for doing Root cause analysis for major breakdowns to eliminate the main cause for breakdown.
- Troubleshooting of Profibus and Profinet communication between I/O Panels and So machine V4.1 PLCs and Central Control room (CCR) through OFC Media for DCS operations
- Implementing Logics of all sections Given target period as per site requirements
- Assisting the project manager in analyzing the project to be undertaken.
- If project is accepted, then mentioning the estimated time and cost for the development.

WORKED ON COMMUNICATION PROTOCOLS LIKE

- Modbus,
- Profinet,
- Industrial Ethernet,
- Profibus, Mpi, Ppi

ACADEMIC PROFILE:

Qualification	Academic Year	Institution-Board/University	Score
B.Tech (ECE)	2009-2013	Al-Aman College of Engineering, Gudilova, JNTUK	70%
Intermediate	2007 – 2009	Muralidhar Junior College, Board of Intermediate, Visakhapatnam	86%
X class	2006 – 2007	Sri Sarada Vidya Nilyam, Kranthinagar, Visakhapatnam.	75.5%

CERTIFICATION:

POST GRADUATION DIPLOMA INDUSTRIAL AUTOMATION (PGDIA)

- PROGRAMMABLE LOGIC CONTROLLERS
- SCADA SOFTWARE
- DISTRIBUTED CONTROL SYSTEM
- VARIABLE SPEED DRIVES
- INDUSTRIAL PROCESS MANAGEMENT
- POWER DESIGNING
- HUMAN MACHINE INTERFACE

ADITTIONAL SKILLS:

Designing skills   Auto Cad. Cyclone (Cad Software).
Programming Languages   Python, C, Ms. Office.

ACADEMIC PROJECTS:

Mini Project   Broadcasting Of AM, FM Signal (All India Radio Station).
Main Project   Voice Control on Home Appliances.
Role in Projects   Team Leader, Designer.

ACADEMIC ACHIEVEMENTS:

- Consistently in top 5 positions in B-Tech.
- Secured good position in intermediate and in 10th class.
- Bagged the First Prize in A Fest at Gokul College of Engineering for A 'Robo Working' Model in Tejas 2011.
- Bagged the Poster Presentation Participation for Making A 'Cellular 4G Model' In Asthra'11
- Bagged the Participation Certificate in Asthra'11 For Participating in Robo Quiz
- Bagged the Participation Certificate in Simh-Tech-2012 For Participating in Robo Quiz in Simhadhri Group of Institutions.

PERSONAL SKILLS:

- Ability to work individually and with team and self-motivated.
- Adaptability to new environment.
- Ability to work in time bound crisis.
- Honest, sincere, hardworking with high level of integrity.
- I participated in many college events to show my skills.

PERSONAL DETAILS:

Name   : Geeru Ramesh

Father's Name : G.Gunna
Date of Birth   : 19th August 1992
Gender   : Male
Nationality   : Indian
Languages   : English, Hindi and Telugu.

[G Ramesh]