

Muralidhar Nidamarthy

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Personal statement

A Self – Learner. A highly motivated and experienced PLC/SCADA Engineer, always in pursuit of acquiring new skills. Thorough knowledge of various makes of RTUs, PLCs as well as proficiency in Graphics development in HMI, knowledge in Security and Surveillance related equipment and project management. After having broadened my horizons in a hiatus of two years (Spent on learning Embedded systems), fully committed to continuing my career on a full-time basis.

Key Skills

- GE 90-30, GE 90-70, Rx3i, Rx7i, Schneider Electric Quantum Hot standby, M340 platforms
- An Installation & Commissioning engineer. Handled many turnkey projects.
- Graphics development in SCADA software such as Vijeo Citect, ECSCADA
- Ladder logic on IDE's of Schneider electric, GE, Emerson, Siemens etc
- Proficiency in protocols including serial, Modbus, DNP v3.
- Interfacing Pressure transmitter, Temperature Transmitter, Level Transmitters, Motor Operated Valve, Master Control system, Density converters, Flow computers etc
- HTML, CSS, JavaScript, Python, MySQL
- Computer Networking knowledge
- Data acquisition through API/JSON
- Hands on Linux – Ubuntu and command line utilities
- Hands-on on MATLAB, NodeJS-MongoDB

Employment History

Deputy Engineer, Central Electronics Limited, Sahibabad

(2019-2021)

Achievements and responsibilities:

I saw to completion, an IoT related project in the field of Solar/Smart cities. We have integrated various devices such as Solar bollards, Solar street lights, Solar trees, Solar smart poles, Solar weather monitoring system, Inverters, Surveillance systems, NVR to a centralised data acquisition system. We have designed web pages, database systems and programmed for the smooth intake of Data for display and storage. We have created trends and tabular method of displaying the data.

Apart from the above, I have shouldered the responsibility for various CCTV/Surveillance system projects viz., Dept. of Science and Technology – New Delhi, MHRD – New Delhi, Land Port Authority of India – Attari, Ministry of Labour – New Delhi.

In a sign of our portfolio diversification, we have undertaken an end to end computer-based evaluation of answer scripts in Chhattisgarh swami Vivekananda Technical university – Bhilai.

From all of the above projects, I have acquired and utilised technical skills and project management skills.

Technical Officer, Electronics Corporation of India Limited, Hyderabad *(2011-2015)*

Achievements and responsibilities:

I saw to completion, multiple Oil and Gas sector projects conferred onto us by HPCL, BPCL, and Power projects conferred by SAIL. In addition, I had a support role in Nuclear plant projects. My involvement is as follows.

- Involvement in procurement to see that the items conform to the requirements
- Preparing I/O list from P&ID's
- Carrying out pre-FAT, FAT at the vendors premises
- Programming the PLCs/RTUs according to the customer requirements
- Carrying out SAT, I & C at the customer's site
- Interact with other vendors and interface the existing system / Devices with our system
- Giving Technical support for the maintenance of the system
- Documentation work

Career break taken to pursue education *(2015-2017)*

Education

B.Tech. in Electronics and Communication Engineering under JNTU – Passed in Distinction with 71%
(2006-2010)

Secured first class in Intermediate education with 86%
(2004-2006)

Secured 90% in SSC
(2004)

References

References are available upon request.