

**SYNOPSIS**

- Qualified engineer having 9 years of experience in Industrial Refrigeration, Industrial Automation, PLC & HMI programming, Delmia Apriso Manufacturing Execution System (MES) and electrical control panels industry.
- Proficient in doing Rockwell & Mitsubishi make Programmable Logic Controller's (PLC's) and Human Machine Interfaces (HMI's) programming, and also inspecting electrical panels.
- Well versed with delmia apriso manufacturing execution system, Microsoft sql server 2012 and configuring tags in keppure OPC server.
- Experienced in doing thermal calculations for industrial refrigeration brine and water chilling plants.
- My objective is to obtain an opportunity to work in an organisation to utilize my knowledge and skills contributing significantly in the mutual success

**EDUCATION**

2009 MSc Manufacturing Systems & Management, University of Salford UK, 62.08%

2006 BE Mechanical Engineering, AISSME COE, University of Pune, 57.66%

2002 HSC (12th), Maharashtra state board, 78.67%

2000 SSC (10th), Maharashtra state board, 80.60%

**CORE COMPETENCIES**

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|--------------------------------------|--|
| ■ Industrial Refrigeration           | ■ Industrial Automation                |
| ■ PLC programming                    | ■ HMI programming                      |
| ■ Instrumentation                    | ■ MES (Manufacturing Execution System) |
| ■ Shell & tube heat exchanger design | ■ Project Execution                    |

**PROFESSIONAL WORK EXPERIENCE****Feb'20 to Present with Alpha Systems Pune as Proprietor****Role:**

- Building industrial electrical local control panels.
- Preparing drawings in Autocad 19.

**Mar'18 to Apr'19 with Birlasoft Ltd. Pune as Technical Consultant****Role:**

Worked in Delmia Apriso Flexnet manufacturing executions system (MES) 2016 version, Microsoft SQL server 2012 & Kepware OPC software's. Worked in the following projects.

1] AGMES Support Client: Ardhag Beverages Ltd.

In this project primary task included coordinating with team members for resolving issues & providing Delmia apriso MES support. Learning and sharing knowledge about MES modules. Preparing test case document, resolution document and deployment document after resolving issues. Logging issues. Doing sanity testing on the screens.

Worked in Fault catalogue and common reporting modules. Configured required data using desktop client, modified existing standard operations for resolving issues. Executed queries in Microsoft SQL server 2012 when needed.

Attended the call with the client. Prepared a global deployment note

2] Rockwell MES Development Client: Entegris Inc. USA

In this project primary task included searching for tags in Rockwell compactlogix & controllogix PLC's using RSLogix 5000. Configuring tags in Kepware OPC server from PLC's, configuring tags in the data logger in the Kepserver.

Prepared documentation about configured tags. Worked on change request for adding tags in the Kepware. Updated screens in Factory talk view studio. Configured alarms in Win911. Added tags in the historian. Checked whether the data is getting logged in MS SQL server 2012.

**Sep'11 to Feb'18 with Cooling people pune pvt. Ltd. as Project Engineer****Role:**

- Did Allen Bradley, Mitsubishi & Schneider Electric makes Programmable Logic Controller's (PLC's) and Human Machine Interfaces (HMI's) programming, inspected electrical panels.
- Carried out thermal calculations for shell & tube heat exchangers such as chillers, condensers & oil coolers etc., and did design calculations to check effectiveness of equipments needed in refrigeration chilling plants.
- Attended the meeting with vendors & customers, and also provided after sales service whenever required.
- Completed PLC to DCS profibus communication, and PLC to VFD modbus serial communication.
- Worked on many client Chemical & Pharmaceutical companies projects like Jubilant - Nira, AB Mauri - Chiulun, SRF - Dahej, Hikal - Panoli, Hikal - Bangalore, Dr. Reddy's - Vishakhapatnam, Hetero- Vishakhapatnam & many other projects.

**Nov'10 to Aug'11 with KPIT Technologies Ltd. Pune as Trainee engineer****Role:**

Worked on Delmia Apriso Flexnet manufacturing executions system (MES) 9.3 version software, and also learnt various software's like process builder, C#, PL/SQL and ASP.Net in the training. Worked in the following projects.

1] MES - Ink Manufacturing Client: Bloomenergy USA

Primary task included writing test cases required for manufacturing inks which are used in making fuel cells. Preparing high level design document & low level design document with team members.

2] MES – NGMES rollout

Client: Tata Cummins Limited2 (TCL2) Phaltan

Primary tasks included giving technical NGMES support to the company, interfacing with level 2 & ERP support team, raising tickets for critical issues. Monitoring MI & MQ series services, paint shop activities, network connectivity, and restarting MI services whenever required. Preparing a document on issues and its resolution, and executing various SQL queries in oracle SQL developer while giving NGMES support.

### **Jun'09 to Sep'09 with Vedic Pac-Systems Pvt Ltd Pune as Service engineer**

#### **Role:**

- Provided service & support for Lock Company's metal detector & other instruments supplied to client Chemical & Pharmaceutical companies.
- Assisted in preparing test certificates and obtaining service report after servicing the instruments.
- Worked on many food and pharmaceutical client companies projects like Cipla - Goa, ITC - Coimbatore, Cadbury - Malanpur, Lupin - Baddi, Frito Lays – Shirur.

### **INTERNSHIP EXPERIENCE**

#### **Internship in Data science- python with Gamaka AI Solutions Pune from Jun'19 to Nov'19**

**Key learning's:** Python fundamentals, NumPy & SciPy, Data manipulation, Machine learning, Regression analysis, Random forests, Decision trees, Time series, Tensor flow, Data visualization.

Tools & Technologies used: Anaconda navigator 2019, Jupyter notebook 6, Python 3.7

Case studies completed: Titanic case study, Analyzing wine types & quality, Analyzing bike sharing trends

### **TECHNICAL SKILLS**

MES Software: Delmia Apriso Flexnet version 2016, 9.3

HMI Programming: AB- Panel view Plus, Panel view Component, Mitsubishi MS 100.

PLC Programming: AB PLC- Micrologix 1400, Mitsubishi PLC – FX3U, Nexgenie

PLC Software's: RsLogixMicro, RsLogix5000, GX Works3, Codesys

HMI Software's: Factory talk view studio, GT Designer, MS Designer, GP Pro-ex 4.0

RDBMS: Oracle 10 g, Microsoft SQL server 2012

Programming Languages: C#, Python

### **CERTIFICATIONS /TRAININGS COMPLETED**

- Powerpack.Net Training at SEED Infotech Pvt. Ltd. Pune in Sep. 2015
- CAE Training at AT Technologies Pune in Nov. 2010.
- CFD Training at SEED Infotech Pvt. Ltd. Pune in Dec. 2009
- Automation Training at Prolific Systems & Technologies Pvt. Ltd. Pune in 2009
- Proe Wildfire 2.0 Training at Naissance Academy Pune in Mar. 2007

### **PERSONAL DETAILS**

Date of Birth: 24 July 1984

Language Proficiency: Marathi, Hindi, English, German – Elementary