**T.KUMARESAN** **kumaresanjj21@gmail.com**

# CAREER OBJECTIVE

To pursue a rewarding career in automation field, and seek for a job in challenging environment wherein I can employ my skills and knowledge efficiently for organizational growth and to improve my knowledge.

# EDUCATIONAL QUALIFICATION

* Completed Bachelor of Electrical And Electronics Engineering in Kaha BarathiEngineering College,Villupuram with an aggregate of **6.02 CGPA** (May 2016)
* Completed HSC at Government Higher Secondary School, Sirupakkam with **69.25%** (March 2012)
* Completed SSLC Government Higher Secondary School, Siruppakkam with **73%** (March 2010)

# ADDITIONAL QUALIFICATION

* Attended non formal course on **“programming with PLC and SCADA”**
* **Pannel view:** Allen Bradley Factory talk view ME
* **Motors:** AC (LT) and Servo motors
* **Drives**: AB Power flex 4M & 40M
* **Protocols:** Ethernet IP, Control net, Device net, Serial.

# SKILL SET

* Programming Languages : Basic C,Basic C++
* Software packages : PLC Rockwell automation studio 5000

# EXPIRENCE DETAILS

**KRTIN Robotics, Chennai, Tamilnadu**

 **Electrical Engineer, from (2019/2 – till date)**

* Working as a support engineer in **Apollo (tyre manufacturing industry), Limda plant, Vadodara** for automation project
* Working with the installation team and commissioning the conveyors and gantry system.
* Programming for interfacing conveyor logic and separate machine logic (Studio 5000, 1756 L73S, 1756 L73, 1769 L33 controllers).
* Installed and commissioned network layout for total conveyor, gantry and machinery remote panels.
* Commissioning and trail taking for flow process of total system with various condition.

#  APOLLO Tyres Ltd, Chennai,Tamilnadu

 **Automation Engineer**, from (2017/2 – 2019/2)

* Providing On-site support for CIMCORP OY (Finland) robots at Apollo Pvt Limited, chennai site.
* Commissioned various control panels on site.
* Thorough knowledge of WCS (Warehouse Control System) software.
* Server management through PUTTY software.
* Commissioning of conveyors which are controlled with SEW Movifit and mapping I/O in plc which are interfaced via Ethernet and controlling the drive through Control Logix PLC.
* Trouble shooting & maintenance of six axis robot (KR150), gantry axis robot (MBR700) & Mono rail robots (Press Loaders) which are used in the tyre handling automation.
* Homing and Mastering the Gantry robots & Press loaders
* Trouble shooting & maintenance of Automatic GT spraying machine.
* Operation, control & maintenance of warehouse crane for picking and placing the pallet
* Diagnosing and monitoring the SEW-EURODRIVE Inverter through online using MOVITOOLS Motion Studio.
* Good knowledge in tyre handling equipment’s like GT spraying machines, Sick barcode scanners, Dynamic weighting scales and Orientation units.
* Programming and troubleshooting of electro-pneumatic fixtures interfaced with plc through Profibus communication
* Good knowledge in pneumatics and Electro-pneumatics

**Mount Kailash Print Pack Machine,Chennai (**2016/5 – 2017/1**)**

* Control panel wiring and installation
* Trouble shooting and break down attend
* WHY-WHY analysis for major breakdown to find out the root cause of the problem
* Implementing cost control initiatives by energy savings and reduction of overtime.

# CO-CURRICULAR ACTIVITIES

# PROJECT WORKS

* Coordinating M/s Cimcorp, L&T, and ChengHua for commissioning, PLC programming and testing of robot and conveyor system in TBM, Curing, and Final finish area in TBR.
* **“Low cost safety door” By using proximity sensor**
* **“Higher Order Harmonic Reduction By Using Fire Fly Algorithm”** as Final Year Project

# MAINTANENCE MANAGEMENT

* Planning and Scheduling of Quarterly, half yearly and annual preventive maintenance of tyre testing machines, R**OBOTS** and CONVEYORS
* Program modification and troubleshooting in PLC, Panel View and drives in breakdown maintenance

# TRAININGS ATTENDED

* ROCKWELL AUTOMATION training on control logix systems,communications and switches in Apollo tyres Ltd
* **Integration of Field Devices with Robotic Controller** workshop
* **INCENDIO Robotics –** Programming and interfacing in controllers (**AT89C51**)
* SEW EURODRIVE plant on Programming and Troubleshooting SEW drives and Motion studio software

# PERSONAL PROFILE

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|  Father’s name  | : Mr. S.Thandapani |
|  Mother’s name  | : Mrs. T. Madeshwari |
|  Date of Birth  | : May 21, 1994  |
|  Languages known  | : English, Tamil  |
|  Address  | : 3/98-, North StreetSirupakkam,Veppur–606108 |
|  E-mail ID  | : Kumaresanjj21@gmail.com |
| Contact number | : +91-8608097334  |
|  Passport | : Available |

**DECLARATION**

I do hereby declare that the particulars of information and facts stated herein above are true to the best of my knowledge and belief.

**Place**: Sirupakkam

**Date** : **[KUMARESAN T]**