

Name: Nikhil Kumar

Cell No: +91 991 065 3177

Address: B-492, DDA MIG Flats, Loni Road, Shahdara, Delhi, India – 110093

E- mail : nikhilkumar2092@gmail.com

Skype ID: nik2092@live.com

SUMMARY

- Nearly 5 Years of experiences on **Robot and PLC Programming** at automobile manufacturing sector.
- Capable of handling **KUKA, Fanuc, ABB, Yaskawa, Kawasaki, KUKA IIWA (Sunrise OS/ Collaborative/ JAVA based), Universal Robot (Collaborative/ Python based), Epson Scara robot** or any other robot.
- Advance Level certification from **KUKA college**.
- Currently working as a **Project lead** for Rhythmsoft Robotics and automation Pvt. Ltd. (www.rhythmsoftindia.com).
- Project Management Installation & Commissioning (**Robot based automation**) Team Management
- Single handily completed robot installation and commissioning at customer end in **Ethiopia, Africa**.
- Hands-on experience with **all major Robot programming**, Robotic Line Commissioning.
- Hands on and experience with **Mitsubishi PLC** at **Honda Cars**.
- Hands on and system integration experience with **Allan Bradley PLC** at **Ford Sanand**.
- Hands on and system integration experience with **Siemens PLC** at **Ford Chennai**.
- Wide Experience of MIG welding Projects with **KUKA Robot and Fronius Power source**.
- Trained and on site experience with Fanuc Robots in glass glazing application for **Honda Cars** Tapukara, Rajasthan, India.
- On site experience with **KUKA KR-16 Robots** for **Maruti Suzuki** project YL1, YL7, XD, B6, YCA, YSD etc.
- Glass Glazing Application with **KUKA KR 16** at **Ashok Leyland**, Pantnagar.
- **Kawasaki Robot (BX-200L) Programming and Training** at **Ford Sanand**, Gujarat.
- **Kawasaki Robot (BX-200L) Programming and Training** at **Ford Chennai**.
- **Two year Experience with SCA and Graco PU dispensing system**.
- Skilled in managing operations involving resource & materials planning, team building and coordination with the internal departments
- Adept in coordinating, planning & implementing changes to technology, machinery, equipment, control systems and reporting procedures
- An effective communicator with good leadership, decision making, planning and team management skills
- Gained significant exposure in working with industrial automation solutions incorporating robotic systems, ideally with associated knowledge of machine tools in the automotive sector
- Expertise in managing all mechanical, electrical, controls and robotic resources including the scheduling of service and installation personnel for on and offsite work
- An effective communicator with honed interpersonal, analytical, problem solving, leadership and motivational skills

EDUCATION

- **Bachelor of Technology (Electrical and Electronics Engineering) (2009-2013)**

TECHNICAL SKILLS

ROBOTS : KUKA, Fanuc, ABB, Yaskawa, Kawasaki, KUKA IIWA (Sunrise OS/ Collaborative/ JAVA based), Universal Robot (Collaborative/ Python based), Epson Scara robot or any other robot.

PLC : Mitsubishi (GX Works 2), AB (RX Logix 5000), Seimens (TIA Portal) etc.

Software Development : C# (.Net) , Python, JAVA, C++ and also Capable of implementation in ROS (Robot Operating system) (for info visit www.ros.org)

Other Technical and Managerial Skills:

- Operation of Pneumatic circuits.
- Capable of working in Linux environment (basic Shell scripting).
- Capable of working with windows and Linux environment.
- Over 3 years experience in working with Arduino, Raspberry PI.
- Machine vision engineering with Open CV and MATLAB.
- Capable of working with NI LabView.
- On-site Team management.
- On-site Resource management.
- Design approval
- Commercial negotiation and Project Buy-off.

PROFESSIONAL EXPERIENCE

Rhythmsoft Robotics and Automation Pvt. Ltd.

Clients – All major automobile and automotive companies in India.
Currently working as a Project lead for Robotics Projects.

ROLES:

- Project Lead and Site in charge for projects.
- Team management on site.
- Entire online robot programming and system administration.
- On-site Training for customer.
- Project management and Buy-off.

PROJECT DETAILS

Project 1

Title : Honda Glass Glazing Cell 2
Client : Honda Cars India Ltd., Tapukara Rajasthan
Duration of project : 6 months
End Customer : Honda Tapukara, Rajasthan
Technology Used : Fanuc Robot, Graco Glass Glazing System, Mitsubishi PLC, Mitsubishi Drive, SEW Drive.

Role & Responsibilities

- Full project coordination from design to final commissioning.
- Robot, PLC and other hardware selection.
- Complete robot teaching and logic development.
- Final commissioning and buy off.

Project 2

Title : Ford Sanand, Gujarat Glass Glazing Cell
Client : Ford Sanand, Gujarat
Duration of project : 1 month
End Customer : Ford motors.
Technology Used : Kawasaki Robot, SCA Glass Glazing System, AB PLC, SEW Drive.

Role & Responsibilities

- Full project coordination from design to final commissioning.
- Robot, PLC and other hardware selection.
- Complete robot teaching and logic development.
- Development and commissioning of a .net based pressure sensing software.
- PLC Programming and logic modification onsite.

Project 3

Title : Ford Chennai, Glass Glazing and decking cell.
Client : Ford motors
Duration of project : 1 month
End Customer : Ford motors.
Technology Used : Kawasaki Robot, SCA Glass Glazing System, AB PLC, SEW Drive.

Role & Responsibilities

- Full project coordination from design to final commissioning.
- Robot, PLC and other hardware selection.
- Complete robot teaching and logic development.
- Development and commissioning of a .net based pressure sensing software. □ PLC Programming and logic modification onsite.

Project 4

Title : Honda Glass Glazing Cell 1.

Client : Honda Cars India Ltd.

Duration of project : 4 months

End Customer : Honda

Technology Used : Fanuc Robot, SCA Glass Glazing System, Mitsubishi PLC, Mitsubishi Drive.

Role & Responsibilities

- Full project coordination from design to final commissioning.
- Robot, PLC and other hardware selection.
- Complete robot teaching and logic development.
- Commissioning of a .net based pressure sensing and image processing software developed by Eines, Spain.
- PLC Programming and logic modification onsite.

Project 5

Title : Robotic Glass Glazing Ashok Leyland.

Client : Ashok Leyland, Pantnagar

Duration of project : 3 months

End Customer : Ashok Leyland

Technology Used : KUKA Robot, SCA Glass Glazing System, Mitsubishi PLC.

Role & Responsibilities

- Full project coordination from design to final commissioning.
- Robot, PLC and other hardware selection.
- Complete robot teaching and logic development.
- PLC Programming and logic modification onsite.

Project 6

Title : Maruti Suzuki MIG welding Application (YL1, YL7, XD a total of 5 robots system)

Client : VeeGee, Faridabad

Duration of project : 6 months

End Customer : Maruti Suzuki

Technology Used : KUKA Robots, Fronius MIG welding power source, Mitsubishi PLC.

Role & Responsibilities

- Full project coordination from design to final commissioning.
- Robot, PLC and other hardware selection.
- Complete robot teaching and logic development.
- PLC Programming and logic modification onsite.

Project 7

Title : TAL Glass Glazing system
 Client : TAL
 Duration of project : 3 month
 End Customer : **Redawa Motors, Ethiopia, Africa**
 Technology Used : ABB Robots, SCA Glass glazing pump, AB PLC.

Role & Responsibilities

- Full project coordination from design to final commissioning.
- Robot, PLC and other hardware selection.
- Complete robot teaching and logic development.
- PLC Programming and logic modification onsite.

Project8

Title : Direct Glazing equipment with Yaskawa robot
 Client : Maruti Suzuki Manesar
 Duration of project : 40 days
 End Customer : Maruti Suzuki Manesar
 Technology Used : Yaskawa Robot (DX 200), SCA Glass glazing pump, Mitsubishi PLC.

Role & Responsibilities

- Full project coordination from design to final commissioning.
- Robot, PLC and other hardware selection.
- Complete robot teaching and logic development.
- PLC Programming and logic modification onsite.

Project9

Title : Glass Sub –assy conveyor and Robot application
Client : Honda Greater noida
Duration of project : 30 days
End Customer : Honda Greater noida
Technology Used : KUKA KR 210, SCA Glass glazing pump, Mitsubishi PLC.

Role & Responsibilities

- Full project coordination from design to final commissioning.
- Robot, PLC and other hardware selection.
- Complete robot teaching and logic development.
- PLC Programming and logic modification onsite.

Project 10:

Title : Veegee MIG Welding LINE for YCA and YSD models (16 Robots Line).
Client : VEEGEE Industrial Enterprise Faridabad.
Duration : 6 Monthes
End Customer : MSIL Manesar.
Technology used : KUKA KR 16 , Fronius TPSI Power source, KUKA external axis based Turn Table welding fixtures.

Role & Responsibilities

- Full project coordination from design to final commissioning.
- Robot, PLC and other hardware selection.
- Complete robot teaching and logic development.
- PLC Programming and logic modification onsite.

Project 11:

Title : KUKA LWR IIWA Demo implementation.
Client : KUKA India
Duration : 10 Days
End Customer : KUKA India.
Technology used : KUKA LBR IIWA Robot , KUKA Sunrise OS (JAVA based).

Role & Responsibilities:

- Program Robot to Open a beer bottle and fill it in glasses and offer to customers.
- Programming and proving to customers.