

**PIYUSH AVINASH SAWALE**  
psawale1705@gmail.com  
+91-8411946833



### **CAREER OBJECTIVE:**

To work for an organization which will help in adding value and will serve as a spring board to move ahead in my career and harness the best of my calibre.

### **EDUCATIONAL QUALIFICATION:**

- ❖ 2018: Master's Degree in Mechanical Engineering (Machine Design) from Pune University
- ❖ 2014: Bachelor's Degree in Mechanical Engineering from Amravati University
- ❖ 2010: HSC from Mumbai University
- ❖ 2008: SSC from Holy Family Convent High School

### **TECHNICAL QUALIFICATIONS:**

#### **Certified Industrial Robotics Engineer (CIRE)**

##### **Technocrat Automation Pvt. Limited (IAO & ISO Accredited), Chennai**

- ❖ Practical on NACHI's MC 20-01 robot
- ❖ Programming of Industrial Robot in simulation software FD on Desk
- ❖ Industrial Robot lead through programming using teach pendent
- ❖ Industrial Robot I/O signal interface with PLC unit and Troubleshooting
- ❖ Pneumatic systems and Gripper Configurations
- ❖ Operated NACHI Robot (JAPAN) MC 20-01 for various applications like

##### **INDUSTRIAL APPLICATIONS BASED ON STATIC POSITION**

- ❖ Specializing in pick and place, drawing, drilling, plain glass operation
- ❖ Work bench drawing applications
- ❖ Drilling applications on target position
- ❖ Milling applications on defined path

##### **INDUSTRIAL APPLICATIONS BASED ON SENSOR AND DYNAMIC POSITION**

- ❖ Colour sensing pick and place application
- ❖ Curved glass application

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- ❖ Plain glass application
- ❖ Robot Maintenance and Function check

### **Mechanical AUTOCAD Designer (2014)**

#### **Walk-in Institute Pvt. Limited (ISO Accredited), Thane**

- ❖ Practical on AutoCAD-2014 Software
- ❖ 2-D and 3-D Graphics Designing
- ❖ Orthographic and Isometric CAD Designing of Mechanical Jobs

### **Ansys (2017)**

- ❖ Static structure stress & strain analysis
- ❖ Total deformation, equivalent, maximum, principal etc. stress & strain analysis
- ❖ Force, pressure and other parameters analysis on pressure vessel and other 3D structures

### **ACADEMIC PROJECTS:**

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Project title 1 : Design and Fabrication of Pneumatic Powered Hand  
Team size : 6  
Role : Concept and Designing, Team leader, Management and Marketing.  
Description : A man and machine interference based Exo-hand model used for Various gripping forces in the field of medical, military application and Domestic purposes.

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Project title 2 : Designing and Manufacturing of an ATV Vehicle  
Team size : 25  
Role : Management and Marketing  
Description : An all-terrain vehicle (ATV) manufactured at college external project Level undertaken by SAE BAJA Mahindra Tech.

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Project title 3 : Design of an Ankle-Foot Exoskeleton for GAIT assistance  
Team size : 1  
Role : Project Research, research paper writing, Conceptual designing  
Description : A light weight ankle Exoskeleton used for assisting the injured or Disabled leg with the help of bowman cable and motor operated Mechanism. Used for various applications in the field of medical, military Applications and domestic purposes.

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## **WORK EXPERIENCE:**

**Organization** : BRIO Pharma Technologies Pvt. Ltd.

**Designation** : Project Engineer

**Period** : October 2015 till October 2017

## **Joined as service Engineer and promoted as Project Engineer**

### **As a Service Engineer:**

#### **Sites Handled: 06**

- ❖ Installation and Validation activities of vials washing and Depyrogeneration machine, vials liquid filling and capping machine, industrial Freeze dryer and vials loading unloading machine
- ❖ Final positioning
- ❖ Start-up and commissioning
- ❖ Site Acceptance Test (SAT)
- ❖ Installation and Operational Qualification (IQ/OQ)
- ❖ Resolving Client's site issues

### **As a Project Engineer:**

#### **Projects Managed: 15**

- ❖ To Track and follow-up on Performa Order and Performa Invoice
- ❖ To approve Letter of Credit (LC), Amendments and Clearance co-ordination Co-ordinate for approval of design layouts with Clients
- ❖ Manage and follow-up the D.Q. F.S. documents and verifications Co-ordinate F.A.T. (Factory Acceptance Tests)
- ❖ Manage and co-ordinate procurement matters (LC issues, extension of expiry dates and bank guarantees) for Clients
- ❖ Manage and co-ordinate commercial and logistics solutions with principal company and Clients
- ❖ Co-ordination and manage Shipments and consignment of machines (INCOTERMS 2010)
- ❖ Assist and manage the installation and validation schedule activities of Service Engineers at site
- ❖ Co-ordination of after-sales activities with help of Gantt chart
- ❖ Trouble shooting and manage the Site Issues during Installation and Validation activities (SAT/IQ/OQ/PQ)

## **STRENGTHS:**

- ❖ Excellent communication and Interpersonal skills
- ❖ Good Learner with strong will to succeed
- ❖ Ability to handle pressure

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- ❖ Efficient in managing the work/people
- ❖ Completing task/commitment in given time

#### **ACHIEVEMENTS:**

- ❖ Attended workshop of “Quadcopters and Multicopters” by IIT Delhi Codex designs at Hindustan Aerospace and Engineering.
- ❖ State level technical research paper competition 2012-13 topic on “Electromagnetic Induction”
- ❖ Attended workshop of “Pneumatics and Hydraulics Machine and Plc Programming” by Dr. S.K. Patil MIDC (Akola).
- ❖ Participant in “Terotix Tech Fest” in Khalsa College, Matunga (Mumbai)
- ❖ Anchoring Head in MESA community (Mechanical Engineers Society Association) of G.H. Raison’s college of Engineering for Organizing Committee (Antaragni Utsav 2012-13)
- ❖ Student Invitee (College representative) for Industrial visit to Jadhav Icons (2013)
- ❖ Presented research paper on “Design of an Ankle-Foot Exoskeleton for GAIT assistance” at ZEAL College of pune.

#### **PERSONAL DETAILS:**

**Name** : Piyush Avinash Sawale

**Address** : A-Block-163/ Room no. 326, Kurla Camp, Opposite Certified School, Ulhasnagar-4, Thane, Maharashtra

**Date of Birth** : 17<sup>th</sup> May 1992

**Alternate No** : +91- 8007807429

**Marital Status** : Single

**E-mail ID** : psawale1705@gmail.com

**Languages Known** :

- ❖ **Fluent** : English, Hindi
- ❖ **Basic** : Marathi

**Personal Interest** : Listening to music, Reading, Trekking

**Professional Interest:** Cordial Relations, Good team player, Creative and Good Organizer

#### **DECLARATION:**

I, hereby declare that the information provided above is correct to the best of my knowledge.

**Place: Mumbai**