

# ABHISHEK KANHAYYA BACHEWAR

TOOL DESIGN ENGINEER

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EMAIL | abhishek.bachewar@gmail.com  
LOCATION | Hyderabad, INDIA  
EXPERIENCE | 7 Years 0 Month

## Key Skills

- Executive Engineer
- Design Engineer
- Mechanical Design
- 3d Modeling
- Project Execution
- Manufacturing Drawings
- Concept Design
- Tool Design
- CATIA
- Solid Edge
- Solid Works
- CAD Support

## Certification

- SOLID WORKS
- Solid Edge ST-10
- CATIA Specialist Mechanical Design Certification

## Languages

- English
- Marathi
- Hindi

## Profile Summary

As an Associate Equipment and Tool Design Engineer with 7+years of experience, I have expertise in designing and manufacturing aero space jig & fixtures, SPM machines, robotic welding fixtures, inspection fixtures, and assembly jigs. I have successfully handled projects for airbus and European-based automotive and aerospace clients. My experience includes optimizing shop floor improvements, coordinating with cross-functional teams, and calculating cost estimations to minimize expenses. I am proficient in 3D assembly modeling, 2D layout, detailing, and preparing BOM using standard software. I have a strong understanding of GD&T and tolerance application using ASME Y14.5M:1994. I excel in both independent and team working environments, with strong communication, interpersonal, creative, and organizational leadership skills.

## Work Experience

### Tool Design Engineer

TATA Advanced Systems Ltd

08/2022 - Present

- Designing and manufacturing AeroStructure assembly Manufacturing with hands-on concept design - Creating manufacturing drawings and experience of assembly fixtures. - Project execution with hands-on concept design - TRB and CIB ,PFC from tooling side

### Design Engineer

Onward Technologies

06/2020 - 08/2022

Concept Design and Detailing:- 1. Project Execution with hands on concept design. 2. Creation of

- Telugu

## Social links

- [www.linkedin.com/in/abhishek-bachewar-74934854](https://www.linkedin.com/in/abhishek-bachewar-74934854)

Manufacturing Drawings. 3. All data sending with PLM software(by Enovia). 4. Technical call with Elekta(UK Team). 5. Globally support for Engineering services

### Design Engineer

Patil Automation privet limited

09/2018 - 08/2019

Automotive Assembly System Concept Design and Detailing:- 1. Project Execution with hands on concept design. 2. Creation of Manufacturing Drawings. 3. Bill Of Material (BOM) creation. 4. Robotic welding lines and welding cells. 5. Welding SPM's and Leak test SPM(JLR muffler for Faurecia). 6. DED Welding Fixtures For Axel ECO Vehicle for (MARUTI SUZUKI)

### Design Engineer

Yeshshree Press Comps Pvt. Ltd.

01/2016 - 07/2018

1. Manufactures own product Tube Notching SPM. 2. Manufactures Dies SPM ,Fixtures, Drill Jigs & inspection Fixture for Bajaj Auto Ltd. 3. Creation of Manufacturing Drawings and Bill of Material.

## Education

### B.Tech/B.E. - Mechanical

2016

Mit engineering college Aurangabad

Grade - 6.9/10

## Projects

### Airbus C-295

688 Days

make in india project C-295 for assembly fixtures and jigs.

### PU Rolling SPM

91 Days

1mm to 2 mm sheet rolling Required dai90mm to 300 mm to be rolling

### YG-8 Axel welding fixtures

30 Days

Welding line

**Center Stand Robotics Welding Fixtures**

61 Days

100% welding fixtures and line control

**Royal Enfield Center Stand Robotics Fixtures**

59 Days

100%