

# Aarti Waghmare *Design Engineer*

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☎ 7249087567

📍 Near MIT college, Paud Road, Kothrud  
Tal : Pune city, Dist: Pune, State:  
Maharashtra, Pin code: 411038.

👤 Unmarried

👤 Female



## Professional Experience

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2022/10 – Present  
Pune

### Design Engineer

*Auto alpha Engineering pvt ltd (ADIANT)*

Roles & Responsibilities (Seating):-

- Designing Front and Rear seat Polyurethane foams & Head Restraints for studio styling and seat functionalities considering standard guidelines and OEM standards.
- Generating A-Class surface of foam & Head Restraint for Comfort and craftsmanship considering Laminate thickness and Trimming attachments.
- B-Surface development of foam based on Complete Seat, Structure, Plastic data, etc.
- Designing foam components such as Velcro, Paper Covered Wire (PCW), Loop Wires, Border wires, and Reinforcements etc.
- Designing foam considering manufacturing & tooling feasibility.
- Foam feasibility study considering STO and complete seat data.
- Foam Assembly and component drawing creation.
- Implementing quick design changes based on reviews and deliverables to customers on time.
- Following foam design guidelines and process for foam development.
- Checking assembly and packaging constraints with respect to adjacent components.
- Following CAD methodology and best practices for foam design.
- Checking and managing clearance to interference of foam with surrounding parts.
- Solid modeling, Surface modeling, Assembly creation, Drafting in Catia V5 and Data management in Team center.
- Responsible for timely completion of project specifications, design, drawings & requisitions for.
- Areas of responsibility assigned and participate in internal design and engineering reviews.
- Participated in internal and external design review.
- Assembly sequence or assembly structure.

2021/08 – 2022/09  
Pune

### Cadd Engineer ( 1 year of experience)

*Cadd center*

## Education

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2018 – 2021  
Pune

### Bachelor of Engineering (Mechanical)

*Savitribai phule pune university*

2014 – 2018  
Pune

### Diploma in Mechanical Engineering

*MSBTE*

2014  
Pune

### SSC

*Maharashtra State Board*

## Skills

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### Software Skills: Catia V5, UG NX, Solid works, MS Powerpoint & Excel.

- Proficient in CATIA modules like sketcher, part modelling, assembly, drafting.
- Knowledge about PLM software
- About Teamcenter 12.
- Release the data at PLM.
- Expertise in CATIA V5 - Designing parametric models using Part & Generative Shape Design (GSD), Assembly Design, Digital Mock-up (DMU), 2D drawing detailing from 3D data.
- Committed to assignments, capability to withstand enormous pressure & ability to produce within deadlines.
- Capable to understand new concepts quickly.
- Working on sheet metal bracket creation by using Remastering Design Procedure
- Having knowledge about GD&T symbols & its implementation.
- Experienced in the creation of 2D drawing's part level, sub-asm & top asm level.
- Working on Assembly Design at VCS and creation of BOM

### Personal & Interpersonal skills:

- Good Communication & Management skills.
- Good ability to work in a team.
- Good Leadership qualities &
- Good Listening ability
- Prioritize my work and meet deadlines.
- Always ready to learn something new
- Presentation & Communication skills
- Teamwork & Problem-solving

### Domain Skills: Automotive Seating ( Foam)

- Designing Front and Rear seat Polyurethane foams & Head Restraints for studio styling and seat functionalities considering standard guidelines and OEM standards.
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- Areas of responsibility assigned and participate in internal design and engineering reviews.
- Participated in internal and external design review.
- Create assembly sequence as per BOM or vice-versa

## Languages

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- English, Hindi, and Marathi

## Interests

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- Design, Yoga & Meditation, Martial arts, Dancing, Reading

## Projects

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### Solar Powered Water Irrigation System

*Diploma project*

### Vertical Axis Wind Turbine

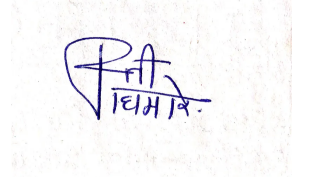
*BE Project*

Research article published on International Journal of Engineering Research & Applications

## Declaration

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All the information provided by me is correct to the best of my knowledge



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**Aarti Dattatraya Waghmare.**  
Pune