

**DIPAK A. BHIMANI**

**Design engineer**

(B.E. Mechanical Engineer)

21/A, Kachhiya ni vadi, Shivnagar, Bortalav, Bhavnagar, Gujarat-364003

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**Educational qualification :-**

1. **B.E. Mechanical engineering** from S.S. Engineering College, Bhavnagar, in 2013, with 8.10 CGPA (Distinction) **Gujarat Technological University.**
2. Higher secondary (XII) from Vishuddhanand Vidhyalaya, Bhavnagar in 2009 with 80.00%.
3. Secondary (X) from Vidhya Vihar school, Bhavnagar in 2007, with 74.31%.

**Employment history :-**

1. **Experience** :- Total 3+ years' experience in engineering field.
2. **Present employment status** :- Working with Hi-Tech Investment castings Ltd., Sihor, Bhavnagar, since Setember, 2013 in Engineering department. Holding the **responsibilities** of :-
  - Design & modeling parts in 3D
  - Feasibility analysis
  - 2D drawing making for manufacturing with GD&T
  - Drawing checking
  - Assembly design and analysis
  - 3D modeling of complex parts like Housing castings of aluminum, Open & closed impeller, turbine blade, cylinder head etc.
  - Work with design software **AutoCAD, Solidworks, Pro-E** and **PTC creo**
  - Product development by investment casting
  - Gauge and fixture designing
  - Reverse engineering
  - ISO, TS and PPAP documentation

Hi-Tech Investment castings Ltd. founded in 1989, is having capacity of investment casting of world class ferrous metals like steels, Stainless steels, Duplex and PH steels, and the non-ferrous metals like copper, aluminum, brass and serving wide span of industries like **Aero-space, Automotive, Defence, Earth moving, Food processing** etc. The plant has manufacturing capacity of 60T per month. In addition to this Hi-Tech is associated in business of trading of **Sheet metal and forging components.**

**Achievements :-**

- Received "**Best Kaizen award**" in September-2016 from Hi-Tech Investment Castings Ltd.
- Received "**Best performance of the year-2015**" from Hi-Tech Investment castings Ltd.
- Achieved **2<sup>nd</sup> prize in robotics** in Prayas-2K12 from Shantilal Shah Engineering College, Bhavnagar.

**Industrial training :-**

- 1) Organization: **Mahindra & Mahindra, Kandivali, Mumbai**  
I have taken 3 days training on PPAP documentation at Mahindra & Mahindra, Kandivali, Mumbai during Feb-2016.
- 2) Organization: **Tata motors Ltd., Pimpri, Pune**  
I have taken 2 days training on TRSO documentation at Tata motors, Chakan, Pune during Dec-2015.
- 3) Organization: **Utran Gas Based Power Station, Utran, Surat**  
I have taken 10 days industrial training at Utran Gas Based Power Station, Utran, Surat during July-2012.
- 4) Organization: **Investment & Precision Casting Pvt Ltd., Bhavnagar**  
I have taken 10 days industrial training at Investment & Precision Casting pvt. Ltd., Bhavnagar during July-2012.

**Project :-**

- I have done project work on  
**“STUDY OF GAS POROSITY AND SHRINKAGE DEFECTS IN INVESTMENT CASTING AND THEIR CONTROLS.”**
- In this project investment casting gas porosity defects are improved by using various processes like vacuum degassing, gas flushing, and precipitation. And shrinkage defects can be reduced by controlling sprue shape and by using counter gravity casting.

**Declaration :-**

I hereby declare that the above-mentioned information is true to the best of my Knowledge.

SINCERELY,



DIPAK A. BHIMANI