

Curriculum Vitae

Ayush Pandey

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Expiry Date : 30/03/2025

Place of Issue: Lucknow



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Objective:

Challenging and rewarding suitable position in a growth-oriented organization, this offers diverse job responsibility in Mechanical Engineering, New Product Introduction and will fully utilize my technical and managerial skills.

Education Qualification:

- ❖ **Bachelor in Mechanical Engineering**, *Seth Srinivas Agarwal Institute of Engineering & Technology (U.P.T.U)* , Kanpur 2013
Awarded – (71.7%) **First Class**
- ❖ Completed **XIIth** standard in the year 2009 from *Sardar Patel Inter College*, Kanpur (U.P Board)
Awarded – (64.5%) **First Class**
- ❖ Completed **Xth** standard in the year 2007 from *Ram Krishana Mission Higher Secondary School*, Kanpur (U.P Board)
Awarded – (71%) **First Class**

Employment History:

Frontier Alloy Steels Ltd., Kanpur, U.P-INDIA

Design & Development Engineer in D&D Deptt., June 2013- Present

- ❖ Understand and Study the complete component drawings.
- ❖ Developing 3D Modelling and 2D drawings (with GD&T) of component and pattern.
- ❖ Finite Element Analysis for stress, strain and deformation analysis with the help of ANSYS software.
- ❖ Casting Simulation to solve methoding and find out defects like shrinkage through ProCAST software before production.
- ❖ Reverse Engineering Process.
- ❖ Machining inspection.
- ❖ Inspection of the products.
- ❖ Defect analysis and then implement the ways to minimize present defect within short time.
- ❖ Process planning & execution.
- ❖ To lead the shop floor as per requirement. (When products are under development Deptt.)
- ❖ Maintain all the records as per international standards.
- ❖ To develop different types of components.



- ❖ Special Purpose Machine to remove burs from sharp corner edges after machining.

Software Skill: Having Strong command on below given software for computer aided designing.

- ❖ CATIA* for 3D Modeling (Part/Assembly) and Drafting both.
- ❖ ProCAST* for Casting Simulation to detect shrinkage, air entrapment & molten metal flow.
- ❖ UG-NX* for 3D Modeling (Part/Assembly), Drafting & further analysis.
- ❖ Solid-Works* for 3D Modeling (Part/Assembly/Drafting).
- ❖ ANSYS* knowledge for Finite Element Analysis (Structural Analysis).
- ❖ SolidCAM* basic knowledge for machining.
- ❖ AutoCAD*, AviCAD* for Drafting.
- ❖ Reverse Engineering.
- ❖ Diploma in computer application.

Technical Skill:

- ❖ Excellent Skills in Designing (2D Drawings & 3D models).
- ❖ Excellent Skills in Casting Manufacturing Process.
- ❖ Pipe Designing
- ❖ Reverse Engineering
- ❖ Computer Aided Designing
- ❖ Good presenter.
- ❖ Plant layout design & development
- ❖ Process Planning, Facility planning & documentations
- ❖ Project management, risk management, lesson learning and implementation
- ❖ Machine Specification and finalization

Summer Internship:

- ❖ Summer internship in **POWER GRID CORPORATION OF INDIA LIMITED** of one month in 2011.
- ❖ Summer internship in **P.W.D** of one month in 2012.
- ❖ Summer internship in **FRONTIER SPRING PVT LTD.** on topic Manufacturing of Hot Coiled Helical Springs of one month in 2012.

Major Projects:

- ❖ Current industrial project on “**Coupler/Knuckle**”, which are also using in wagons (Industrial Project, Sep-2014) (5 Team Members)
- ❖ **Role:** In this project I did all the designing & developing part of components such as drafting, 3D modeling, Casting Simulation for defect free casting, Quality proof casting & Documentation.
- ❖ Industrial Project on “**Draft Gear SL-76**”, which are using in wagons (Industrial Project, Nov-2013).
- ❖ **Role:** In this project I lead the designing portion for this product. (5 Team Members)
- ❖ AUTOMATED FLEXIALBE TRANSFER LINE (College Project, March-2013)
- ❖ **Role:** In this project I completed all the designing part such as 2D-Drawings, 3D-Modeling. (3 Team Members)
- ❖ Running Project- **Coach Coupler with Balanced Draft Gear.**



Balanced Draft Gear is such type of shock absorber, who sucks the load in buff mode, and when the draw mode starts, it releases the absorber energy. i.e. It works on both draw and buff mode. Using in LHB Coaches. (7 Team Members)

Personal:

Father's Name : Mr. Bal Krishna Pandey
Date of Birth : 26 October 1992
Place of Birth : Kanpur, U.P, India
Marital Status : Unmarried
Interests : Sound Engineering, Travelling, Singing

Languages:

- ❖ English
- ❖ Hindi

Social Responsibility: Eco friendly practices.

Strength:

- ❖ Confidence
- ❖ Good Communication
- ❖ Positive Attitude
- ❖ Good Listener & Good Speaker
- ❖ Ability to established understanding in between team members for better future of both employees and organisation.

Principles:

- ❖ Honest & Smart/Hard Working

Declaration:

I hereby declare that all the information mentioned above is true of my knowledge and I'll work with full dedication and will help in raising the company.

Date: 20/May/2015

Place: Kanpur-U.P

(AYUSH PANDEY)



