

Nityanand Pandey
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Portfolio:- <https://sites.google.com/view/nityanandpandeyportfolio>

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Chanod Colony, GIDC Vapi
-396195 Vapi, Gujarat, India.

Career Objective: Seeking challenging position in a creative and challenging organization to achieve the objective of the organization with honesty and to continuously upgrade my knowledge and skills.

Area of Interest: Design Calculation, Simulation/Analysis, Product Design, Industrial Design, Mechanical Engineering in Aerospace/Aviation/Automobile and other industries.

Internship in Simulation/Analysis(CFD, thermal, structural and other FEA), Sketching, Design Calculation etc.

Always willing to learn new technologies and skills.

Experience:

- 1) I worked in Dowell Moulds in Bhadakhora, Vapi, Gujarat for 6 month as Design Engineer and I learned about moulds.

My work was to do:-

3D Modeling, surfacing, reverse engineering, drafting, programming on manufacturing module on NX 7.5 & 8 and finally execute on VMC. I also have knowledge regarding programming on VMC. I used to maintain momentum/links between design and manufacturing department.

Firm	Dowell Moulds
Domain Knowledge	Product Design
Domain Experience	6 months (October 2015 – April 2016)
Tool Experience /Knowledge	Sketching, NX 7.5 & 8 (CAD+CAM)
Clients worked so far	ADANI WILMAR, BABY OKU, MAN PASAND, AQUA, MILTON, ALPHA, etc.
Salary	12000 INR in hand per month i.e. 1.44 LAKHS per annum + Canteen
Reasons for job change	Personal growth and wanted to build career in Core Mechanical field and willing to learn Simulation and Design Calculation.

- 2) I also worked in Kingsley Engineering Services in Ankleshwer, Gujarat on contract basis for 3 months as a Product Design Engineer. Here I learned about industrial safety products like Breather valve, Flame arrester, Pressure relief valve, Safety relief valve, Vacuum relief valve, Emergency vent, Gauge hatches etc.

My work was to do:-

3D Modeling, assembling and drafting on Onshape(a cloud version CAD software) and NX 10 for product like PRV/VRV/FA/SRV/EVBV etc and analysis on Mechanical APDL ANSYS. I performed few CFD analysis and prepared report of Test Setup for ATEX certification to analyze pressure gradient, fluid velocity gradient and pressure drop across orifice to get the flow rate throughout the Setup and also few Structural and CFD analysis of contact between pallet and seat to analyze seat leak tightness used in Breather valve/ Pressure relief valve/ Safety relief valve/ Vacuum relief valve /Emergency vent to analyze deformation due to FPP (fluid pressure penetration).

Firm	Kingsley Engineering Services
Domain Knowledge	Product Design
Domain Experience	3 months (contract/project) (Oct 2016-Dec 2016)
Tool Experience /Knowledge	Sketching, NX 10, Mechanical APDL ANSYS, Onshape and SimScale.
Project worked so far	<p>CFD analysis of Test Setup for ATEX certification to analyze pressure gradient, fluid velocity gradient and pressure drop across orifice to get the flow rate throughout the Setup.</p> <p>Structural and CFD analysis of contact between pallet and seat to analyze seat leak tightness used in Breather valve/ Pressure relief valve/ Safety relief valve/ Vacuum relief valve /Emergency vent and also to analyze deformation due to FPP (fluid pressure penetration) .</p>
Salary	1.44 LAKHS per annum + accommodation + other facilities.
Reasons for job change	Completion of contract

- 3) Recently worked in Nandan GSE Pvt Ltd company in Turbhe, Navi Mumbai as Asst. Design Engineer and Asst. Production Engineer.

My work as Asst. Design Engineer was to do: -

Design Calculation, Simulation, 3D Modeling, Surfacing, Assembling and drafting on Solidworks for projects assigned to me. I did design hand calculation of the hydraulic cylinders used in Scissor Lift, Chain drive calculation for Tower Parking System, Toppling calculation for Towable advertising trailer, Tail lift calculations, Torsion spring calculation, hydraulic and gear calculation on self drive mechanism of Towable Stepladder etc and I also perform few Static Simulation on Solidworks.

My work as Asst. Production Engineer was to do: -

Supervising the team in fabrication work, arranging materials required in the project and its installation on site. Servicing on site under minimum supervision and site erection. I handle the projects like Car Turntable, Tail Lift, Stacker drive mechanism, Tower Parking System, Towable stepladder fabrication etc so far as Asst. Production Engineer .

Firm	Nandan Ground Support Equipment Pvt Ltd.
Domain Knowledge	Asst. Design Engineer and Asst. Production Engineer.
Domain Experience	24 th May 2017- 31 st May 2018.
Tool Experience /Knowledge	Sketching, Solidworks, Fabrication workshop, hydraulics.
Project working as Asst. Design Engineer so far (24 th May 2017 – 31 st May 2018)	3 Stage Scissor Lift, Single Stage Scissor Lift , Towable advertising trailer, Tower Parking System, Car Turntable, Tail Lift, Mobile Stepladder , Self drive mechanism for Towable stepladder etc
Project working as Asst. Production Engineer so far (19 th Dec 2017 – 31 st May 2018)	Car Turntable (fabrication as well as its installation), Tail Lift, Stacker drive mechanism, Tower Parking system (Servicing), Towable Stepladder (fabrication).
Open to work as an individual contributor	Yes
Salary	2.04 LAKHS per annum (CTC) + Daily allowance on site.
Expected Salary	As per company's standard policies and my effort.
Willing to relocate any location	Ready/flexible to relocate at any location in India.
Reasons for job change	Domestic and personal reason.

Educational Qualification:

Sr. No	Qualification	Name of Institute	Board / University	Year of Passing	Percentage
1	BE	Government Engineering College, Dahod	Gujarat Technological University	2014	63.10 CGPA: 6.81
2	HSC	Upasana L.E.M. School	Gujarat Board	2010	64.20
3	SSC	Upasana L.E.M. School	Gujarat Board	2008	77.69

Certificate Course: Advanced Post Graduate Program in Product and Tool Design (PGPPTD) from Maharashtra Institute of Technology (MIT SKILL).

Descriptions: Styling software, CAD Software's, CAE Software's, Product Design, Plastic Product Design, Casting Design, GD&T, Jigs and Fixtures, Advanced manufacturing design, Injection mold design, Design Calculation.

Academic Projects and Seminars: 1. Degree Project Details and Seminar Details:-A Weapon Aiming & Trigger system for Rapidly Deployable multi-weapon Armed Support Robot: includes few major physical systems like trigger actuator system, pitching mechanism, aiming mechanism & mounting.

2. I also presented seminars on: Vertically Takeoff & Landing (VTOL), Consumer Research in the Early Stage of New Product Development in Product Design and Value engineering subject, Cooling System in Power Plant Technology subject, Geothermal Power Plant in Alternate energy sources subject.

Meritorious Achievements: I got few certificates & prizes in drawing and sports.

Skills Acquired: SKETCHING (Perspective Hand Drawing)

Mechanical APDL ANSYS

NX (UNIGRAPHICS)

Onshape

SOLIDWORKS

Solidedge

SimScale

CATIA

Styling ALIAS

CREO

MS Office

Soft Skills: Understand the concept of Perspective sketching and daily practicing perspective hand drawing

Easily access/grip on any CAD/CAM/CAE software

Willing to learn, resilient, responsible and have strong problem solving skills

Self-motivated and hard working

Smartly work and ready to accept changes and challenges

Capable to understand and execute engineer aspect

Quick learner and good observer

Extra-Curricular Activities: Participated in many social campaigns as a volunteer regarding creating awareness in public under National Wide Cancer & AIDS Control Program guided by our school and also worked as coordinator in our University Cultural Fest, XITIJ 2013-14.

I also participated in iMAKE competition organized by MITSKILL.

Personal Information:

1. Name: Nityanand Durgapratap Pandey
2. Date of Birth: 12/12/1991
3. Permanent Address: 301, Priya Co. Op. housing soc. Chanod colony GIDC Vapi 396195, Gujarat, India
4. Marital Status: Unmarried.
5. Hobbies: Sketching, Listening Music, Cricket, Football.

Date:

Yours sincerely,

Place: Vapi

Nityanand Pandey.