

AVINASH A PATIL

Flat No-503, Deep Varsha Society, behind ibmr college, wakad- Pune-411057

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SUMMARY

Mechanical Engineering Professional with rich experience in modelling, design software for automotive industrial clients, planning and timely project execution. Aspire to be an active part of a growth-oriented organization and to create a distinguished identity for myself through continuous learning and improvement.

SKILLS

- Software tools: UG NX, CATIA V5, Microsoft Office Suite
- Soft skills : Detail oriented, organized, team player, quick-learner, strong interpersonal and communication skills

EDUCATION

B.E .in Mechanical Engineering **58.46%** **May 2015**
IOK COE Pune

Project: "Pnuematic Slab Cutting Machine" completed in Polybond India Pvt Ltd (May 2014-Apr 2015)

- Collect data from various sources for making the machine Pneumatic
- Study of market to decide benchmark specification.
- Design calculation for component selection & validation.

Diploma. in Mechanical Engineering **76.35%** **May 2011**
Smt. S S Patil Institute of Technology, Chopda.

Project: "Electricity Generation by using railway track". Utilization of Rack and Pinion as the mechanical device in this project.

PROFESSIONAL EXPERIENCE

Design Engineer (V7), Valiant TMS Systems Pvt Ltd., Pune, MH **Feb 2018 - Present**

Client: DAIMLER, PSA, TATA, ISUZU, HONDA.

Software used: UGNX (Daimler), Catia V5 R26/R24 (All projects)

Job Description:

- Ongoing Concept Design of Body Side Changeover Mechanism (Motorized). For PSA Chennai.
- Accomplished Concept Design of Front Floor Complete fixture for Daimler
- Completed Concept Design of spot-welding fixture for Main line Roof assembly, Roof stud stand jig, Roof Gripper for PSA
- Conducting feasibility study, preparing Material requisition documents for clients
- Creating engineering design schedule, major milestones, design and drawing approval.
- Review of Technical design documents, datasheets, specification, incorporating client's comments in drawings.
- Involvement in planning of available work with available resource & execution.
- Experience to handle 2-3 team members.

- Performed Concept Design of manual spot-welding fixture for Underbody (Rear Floor Assembly Complete.) for PSA
- Worked under Proposal Department-Process of floor assembly BIW line.
- Input study and prepared concept design, 3D modelling and 2D drawing of welding fixture, gripper and Pass table of floor panel.
- Adoption of GD &T for manufacturing drawings.

Design Engineer, S D Engineers Tech Pvt Ltd, Pune, MH

Feb 2016 – Feb 2018

Client: KLT-South Africa, Das Auto, Mahindra, CNH-Pithampur, Bentler-Pune

Software used: Catia V5 R26

Job Description:

- Preparation of Bill of Material (BOM) and Bought out part (BOP) consist of pneumatic, hydraulic, electronic, fasteners, standard mechanical parts etc., and deciding operating sequence.
- Concept Design of Assembly fixture, checking fixture, Machining fixture.
- Adoption of GD &T for manufacturing drawings.
- Design 3D, 2D for manufacturing and assembly of the same.
- Design & Development of product by reverse engineering process.
- Calculation of tooling parameter and implementation of it while trial & production.
- Root cause analysis of production problem, implementation of solution in production tool.
- Experience to co-ordinate production persons & interacting with customer & vendor.
- Co-ordinating from customer requirement till dispatch.
- Design approval with customer reference and manufacturing feasibility as well
- Preparation of machining plan with available resources & execute it.

ACHIEVEMENTS AND CONTRIBUTIONS

- Company wide recognition for preparing and presenting a Technical presentation for H-one.
- Contributed to design ideas and modifications for cost savings, handling variation to contractual scope, and faster turn-around time for design changes incorporation to final approval.
- Organized and participated in inter-collegiate competitions, company's annual gatherings etc.

PERSONAL DETAILS

Name : Avinash Arun Patil
 Date of Birth : 21st Aug 1992
 Permanent Address : Plot No-79, Hudco Colony, Dondaicha, Tal-Shindkheda, Dist-Dhule-425408
 Languages : English, Hindi & Marathi
 References : Available on request
 Location Preference : Anywhere in India as well as abroad
 Current CTC : 5.20 LPA
 Hobbies : Playing cricket, travelling, trekking

DECLARATION OF AUTHENTICATION

I hereby declare that the above mentioned information is correct up to my best knowledge and I bear the responsibility for the correctness of above mentioned particulars

Avinash Arun Patil