JAYESH SANJAY PATIL

AKURDI CHIKHALI ROAD, KRUSHNAI HSG SOCIETY, CHIKHALI, PUNE, MAHARASHTRA, INDIA 411062.

MOBILE NO: **+91 9075514966**

EMAIL ID: **jspatil1230@outlook.com**

OBJECTIVE SUMMARY

An extreme hard worker, having a work experience in Product design and Development with an ambition and desire to work in Automotive Domain. An enthusiastic person with interest in Automotive Design and Engineering.

ACADEMIC QUALIFICATIONS-

Degree	School/College	Board	Year of passing	Result
B.E. Mechanical **(2018 BATCH)**	**Pimpri-Chinchwad college of engineering, Pune**	Pune University	**2018**	**76% in BE** (68% Agg)
H.S.C	Modern Jr. College	Maharashtra Board	2014	80% (PCM)
S.S.C	S.P.M	Maharashtra Board	2012	84.64%

WORK EXPERIENCE (July 2018 - Ongoing)

- Currently working in **Futuring Design Pvt. Ltd., Pune 411018**, as **Graduate Engineer Trainee** since July 2018.
- I have gathered knowledge of **Product development, Material selection, Dimensioning and tolerances, product feasibility, CAE, Sheetmetal design.**
- **Experience of working on Siemens Unigraphics NX 12 software for product design and development, product modelling, drafting, sheet metal manufacturing along with Static and Dynamic analysis in ANSYS WORKBENCH.**

CERTIFICATIONS-

- **Automotive Sheet Metal Design using NX CAD**
  Certificate no - sPEtg6ZkQzlmbU94
- **Geometric Dimensioning and Tolerancing**
  Certificate no - AZSuiXBQJfMuNCp2qkQ20n1TeSQj
- **Failure Mode and effects analysis (FMEA) & Control Plan**
  Certificate no - QHI/FMEA/18/396

PUBLICATIONS AND PRESENTATIONS

My BE mechanical project is based on one of my patent ideas.

- **Patent 1 (Patent no.) - 201621014555**
- **Patent 2 (Patent no.) - 201621042088**
- **Patent 3 (Patent no.) - 201621019881**
- **Patent 4 (Patent no.) - 201821016669**

MAJOR PROJECTS -

1. **Unmanned Aerial Air Monitoring and Filtration Vehicle (UAAMFV). - In BE**
2. **Automotive roof design with roof curvature analysis- Skill Lync**
3. **Modified motion curve- Car trunk and lid mechanism- Skill Lync**
4. **Fender Design for Automotive Vehicle- Skill Lync**
5. **Hood Design for Automotive Vehicle- Skill Lync**
6. **Wheel Arc analysis- Skill Lync**
7. **Simulate a simple 2D crank mechanism in the XY plane for various cases and loads- Sill Lync**
8. **Modify the motion curve and apply to the revolute joint to stop the trunk lid exactly when the trunk lid comes in contact with the body of the car- Skill Lync**
9. **Use the 4-bar mechanism to simulate the Car hood in Motion View by importing CAD model from Hypermesh- Skill Lync**
10. Flat Belt Conveyor Design and modelling for coal mines applications. – In BE
11. Two stage Gear Box Design and Modelling – In TE
12. Study of Rocket's jet propulsion system and types of flames. – In TE
13. Gun a.k.a Shooting rifle with an effective shooting range of 20 metres. – In FE (1st Rank)

MINOR PROJECTS-

1. Design and Drilling on Mini Lathe Machine using Brushless motor and Arduino- In TE
2. Sheet Metal roller and bending machine (Range- 1 mm to 3 mm). – In SE
3. Mini Bench Tapping machine for Sheet metal (Range- 3 mm to 8mm). – In SE
4. Gun a.k.a Shooting rifle with an effective shooting range of 20 metres. – In FE **(1st Rank)**

WORKSHOPS ATTENDED-

- High temperature forming Simulation using ABAQUS
- NVH for Automotive Applications
- Vehicle Dynamics using FSAE and BAJA
- Introduction to Hybrid Electric Vehicle
- Workshop on Solar Training Program, arranged by **KWatt Solutions Pvt. Ltd.**
- Workshop of RoboTryst 2015 organized by Robosapiens Technologies Pvt. Ltd.

AWARDS AND HONORS-

- In my first year of engineering I secured, **1st prize in project competition in college in MECH-FEST 2015.** I made a rifle which had an effective shooting range of 25 metres.
- In my first year of engineering, I **secured the 1st price for mini-project competition in my department**.
- In my 2nd year of engineering I secured, **3rd rank in aeromodelling competition in Spectrum 2015.** The plane which I had designed had a flight range of 130 metres without any external power source.
- Attended the 8th National Conference on Industry Institute Interaction 2016.

ADDITIONAL SKILLS

- Quick learner and grasping quality.
- Deep into innovations and ideas.
- Hardworking.
- Time management skill.
- The software I have good knowledge of- **AUTOCAD, UG NX 12, CATIA-V5, MATLAB, ANSYS, CREO parametric 3.0**, **Motion View, Motion Solve, Hypermesh.**
- **Knowledge of C++ language along with HTML language**. **BIFOCAL Computer Science subject in HSC**.
- **Knowledge of FMEA-(PFMEA, DFMEA), 5S, Lean Manufacturing and GD&T.**
- MICROSOFT OFFICE
- **GERMAN LANGUAGE** (**ONGOING A2**).
- Trained with UC-MAS Abacus (Level 1 to 6).

Personal Dossier

Date of Birth: - 30/07/1996

Languages Known: - English, Marathi, Hindi, **German (A1 LEVEL)**

Hobbies: - Reading articles especially on Technology, Astronomy

MY WEBSITE Links-

My Blogging Website- https://www.jayeshspatil30.blogspot.com

My Skill Lync Projects- https://projects.skill-lync.com/profiles/Jayesh-Patil-482

My Linked in Profile- https://www.linkedin.com/in/jayesh-patil-9075514966/

Declaration: -

ALL THE FURNISHED DETAILS ARE TRUE AND AUTHENTIC AS PER ORIGINAL DOCUMENTS.

Place: - CHINCHWAD (JAYESH SANJAY PATIL)