

AKASH V ZAREKAR

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DOB:- 13th Feb 1992

OBJECTIVE:

To perceive a career in a renowned firm with dedicated efforts and to associate myself with an organization that gives me a chance to update my knowledge.

EDUCATION:

G.H. Rasoni institute of Engineering and Technology PUNE, INDIA
Bachelor's in Mechanical Engineering

May 2015
(65.30/100)

Y.B Patil Polytechnic, Akurdi, PUNE, INDIA
Diploma in Mechanical Engineering

May 2010
(71.11/100)

PROFESSIONAL EXPERIENCE:

- **BIW Design Engineer, FLAIR AUTOMATION SOLUTIONS, PUNE, INDIA.** **Sep 2015-Present**
Flair Automation Solutions being a firm has provided me with desired exposure and challenging environment to both technical and management sector indeed have help me to improve my personality, skills and technical expertise.

Projects:

Tata Q501-Process, design, detailing of assembly and subassembly fixtures (front wheel house, bodyside inner).

- Design the process sequence of assembly and subassembly panel data given by customer (TQA).
- Start concept design (3d modelling) as per standards provided by customer.
- Attend design review conduct by customer and 3d modification is done as per design review and robot simulation.
- Preparing of bought out part list by fixture to fixture and report submit to project manager.
- Start detail drawing, Bill of material with GD&T, quality checking and release.

Tata-Design and detailing of welding and checking jig of front wall fixture.

- Understand the process plan of front wall fixture provided by customer.
- As per standards provided by customer modeling of clamp, support, location, slide, angle, dump unit and checking units.
- Recommend the selection criteria for the gun in accordance with the jig and preparation of gun study.
- Preparation of manufacturing drawing with GD&T, Quality checking and release.

Mahindra-ICV Roof takeout system Designing, Installation and management.

- Lead as Design engineer.
- As per application of system do calculation and as per calculation select the appropriate bought parts (pneumatic cylinder, rails).
- Analysis of structure design on Catia v5 and generates report and share report with customer.
- Engaged in inventory and tool management from the vendors to the plant.
- Managed and supervised the site operations while installation and commissioning period.

Cosma-Concept Design of assemblies and sub assembly jigs of frame (co2 welding jig).

- Design of assembly and sub assembly jig as per process sheet.
- Modification done as per 3D review points and simulation report.
- Gun study and Ergonomics.
- Compiled the jig data, communicating the project report to the manager.
- Preparing various report for the customer in regard with project.

Structure design

- Preparation of basic concept according to SFD and BMD for structure as per input provided by customer.
- Analysis of structure design on Catia v5 and generates report and share report with customer.
- Preparation of detail drawings sub-assembly, assembly drawings and other engineering specifications for product manufacturing.
- Creating BOM generation (stock list) MS-excel as per customer requirement.
- Gather technical specifications and customer requirements.

Timing Belt Calculation and Selections.

- Researched and acquired factors required for selection of timing belt from Gates catalogue.

- Analyzed the given data of the gears such as Speed, Diameter and Torque.
- Calculated the parameters and selected the timing belt for the given specifications.

- **Trainee Engineer, TATA MOTORS, PUNE, INDIA**

Nov 2010-Aug 2011

- Documented and Communicated the project report and status to the team lead and project manager.

UNDERGRADUATE PROJECTS:

- **Project Lead, Design & Development of water cooling system from waste heat, OMKAR ENTERPRISES, PUNE, INDIA** **Jan 2015-May 2015**
 - Researched various small-scale industries waste heat and derived on the problem of waste heat to re-used it for effective utilization and energy efficiency.
 - Designed and fabricated a user-friendly device which re-used waste heat to cool the water.
 - Completed the objective of the project by fabricating the whole device at a price of 7000INR.
 - Acquired sponsorship for the entire project from OMKAR ENTERPRISES, Pune, India.
- **Team Member, hydraulic specimen mounting machine,** **Jan 2010- May 2010**
 - To create a model of specimen molding in Bakelite powder we used hydraulic jack to maintain the uniform pressure.
 - Fabricated and assembled a manual hand operated hydraulic specimen mounting machine cost of just 5550 INR.
 - This mold was used for microscopic observation.

PAPER PRESENTATIONS:

- Presented a Techno-business concept “**ELECTROPLATING**” at a **State Level** entrepreneurship workshop organized by government of Maharashtra held at Nagpur, India.

COMPUTER PROFICIENCY:

- AutoCAD, CATIA, Unigraphics, Fides.

LEADERSHIP ROLES/ACTIVITIES:

- Bagged eighth place in event national go kart championship a national level kart competition organized by ISNEE.
- Executed as a music coordinator for Aura 15 a national level cultural fest organized by GHRIET, Pune, India.
- Executed as an event leader in MAGNUS 13 a national level tech fest organized by GHRIET, Pune, India.

SOFT SKILLS:

- Managing Upwards, Good Interpersonal Skills, Stress Management, Report Generation Skills, and Resilience.